

The Scientific Crucible:

Science Education in NUS Since 1929

Faculty of Science
National University of Singapore



Libraries

**The Scientific Crucible:
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National University of Singapore**

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Foreword

The inaugural edition of this publication entitled “The Scientific Crucible Science Education through the Generations 1929-2009” was published in 2009 (http://www.lib.nus.edu.sg/ilp/scrt/pub/scientific_crucible_fos80.pdf) to celebrate the 80th anniversary of the Faculty of Science, National University of Singapore. The publication traces the brief chronological history and development of the Faculty.

Since the Science Library continued to update this publication to reflect the dynamic evolution of courses and programmes taught at the Faculty of Science, it is timely that an updated version with a revised title to record the many changes be published.

We would like to acknowledge the support of the various teaching departments at the Faculty for reviewing and vetting the contents of the publication.

Kan Sok Cheng
Associate University Librarian
NUS Libraries
2014

Introductory Note

In conjunction with the 80th anniversary of the Faculty of Science of the National University of Singapore (NUS) and the NUS Science Library published a brief chronological record of the history and development of the Faculty. The publication, which is available in PDF format, is compiled for faculty members and students interested in the history of the Faculty since the establishment of the Straits and Federated Malay States Government Medical School in 1905. This revised version will be updated annually and be available on the NUS Libraries Portal.

The first two sections provide a listing of the deans, including photographs and heads of departments. Acting heads are included only if they are holding the position prior to the appointment of the head. Staff members who acted when the head of department is on leave are omitted.

The third section, which forms a major portion of the publication, highlights the milestones of the Faculty of Science and traces its history and evolution in chronological order. Substantive programmes and courses offered by the Faculty and the teaching departments are also highlighted. However, the publication excludes the research areas of the teaching departments, academic linkages with overseas universities, and awards received by the teaching staff. Conferences and meetings organized by the Faculty and the teaching departments are also omitted.

Sample Entry

- 1991** "Materials Science is a new subject offered by the Faculty of Science starting July 1991. The course, which is jointly run by the Departments of Physics and Chemistry, starts in the second year and leads to a Bachelor of Science degree or to an Honours Degree. Only students who have studied Physics and Chemistry in their first year are eligible for the course."
Source: National University of Singapore. Faculty of Science. Faculty of Science, NUS, [1992]; p 48. [NUSL call no. LG399 NUSFS.F]
- Chem
Mat Sc
Phy

The column on the left denotes the year of occurrence of the milestone. The column in the middle contains the published information relating to the milestone and the corresponding reference source. Sources are quoted in the following order: author, title, publisher, year of publication, page numbers and call number. The call number is bracketed at the end of each entry to facilitate easy retrieval of such references from the NUS Libraries. The column on the right indicates whether the milestone is related or linked to FOS or specific department(s) or both.

Abbreviations used for the Faculty of Science/Departments are as follows:

<u>Faculty/Department</u>	<u>Abbreviations</u>
Faculty of Science	FOS
Biological Sciences	Bio

Chemistry	Chem
Computational Science	CS
Information Systems & Computer Science	DISCS
Materials Science	Mat Sc
Mathematics	Math
Pharmacy	Pha
Physics	Phy
Statistics & Applied Probability	Stat
Lee Kong Chian Natural History Museum	LKCNHM

For the most current developments of the Faculty of Science and various teaching departments, you can access the related websites for updates.

The final section comprises a listing of references consulted in the research for this publication. The information is obtained from various primary and secondary sources with priority given to official sources such as the University's annual reports, calendars, and press releases as well as other sources such as newsletters, magazines, anniversary publications, departmental websites and information provided directly by the Dean's Office, Faculty of Science and the various teaching departments.

Deans of the Faculty of Science



Prof Norman S. Alexander
1949-1951



Prof Robert A. Robinson
1951-1955



Prof John C. Cooke
1955-1956



Prof R. D. Purchon
1956-1960



Prof H. B. Gilliland
1960-1965



Mr Hon Yung Sen
1965-1968



Prof Kiang Ai Kim
1968-1971



Assoc Prof Ang Kok Peng
1971-1973

Prof Ang Kok Peng
1977-1980

Deans of the Faculty of Science



Assoc Prof Gloria Lim
1973-1977,
1980



Assoc Prof Koh Lip Lin
1980-1985



Prof Bernard Tan Tiong Gie
1985-1997



Prof Lee Soo Ying
1997-2000



Prof Lai Choy Heng
2000-2003



Prof Tan Eng Chye
2003-2007



Prof Andrew Wee
Thye Shen
2007-2014



Prof Shen Zuowei
2014 -

Heads of Teaching Departments of the Faculty of Science

Heads - Department of Biological Sciences

In 1950 the Department of Biology was converted into the Department of Parasitology with the establishment of the departments of Botany and Zoology. The School of Biological Sciences was established on 1 May 1996, through the merger of the Department of Botany and the Department of Zoology. The name of the School was changed to that of Department on 1 May 1998.

Botany

1949-1955 R. E. Holtum

“Botany Professor R. E. Holtum ...”

Source: University of Malaya. Calendar, 1949/1950; p 78. [NUSL call no. LG396 MUC]

1955-1965 H. B. Gilliland

“Botany Professor H. B. Gilliland ...”

Source: University of Malaya. Calendar, 1955/1956; p 97. [NUSL call no. LG396 MUC]

1965-1967 A. N. Rao (Acting)

“Dr. Rao was appointed as Acting Head of the Department [of Botany] from 1 February 1965.”

Source: University of Singapore. Annual Report, 1965/1966; p 57. [NUSL call no. LG399 SU.R]

1967-1985 A. N. Rao

“Dr. A.N. Rao was appointed Professor of Botany in April 1967.”

Source: University of Singapore. Annual Report, 1967/1968; p 39. [NUSL call no. LG399 SU.R]

1985-1991 Gloria Lim

“Professor Gloria Lim Head, Department of Botany From December 1, 1985 to June 30, 1987”

Source: National University of Singapore. Campus News, No. 46, 1985; p 11. [NUSL call no. LG399 NUS.CN]

“Retiral [of] Professor Gloria Lim Department of Botany With effect from January 31, 1991”

Source: National University of Singapore. Campus News, No. 87, 1991; p 15. [NUSL call no. LG399 NUS.CN]

1991-1996 Goh Chong Jin

“Associate Professor Goh Chong Jin Head, Department of Botany From May 1, 1990 to April 30, 1992”

Source: National University of Singapore. Campus News, No. 83, 1990; p 11. [NUSL call no. LG399 NUS.CN]

“Head of Departments Botany: Prof. Goh Chong Jin ...”

Source: National University of Singapore. Prospectus, 1995/1996; p 211. [NUSL call no. LG399 NUS.PR]

Zoology

1950-1960 R. D. Purchon

“Zoology Professor R. D. Purchon ...”

Source: University of Malaya. Calendar, 1949/1950; p 78. [NUSL call no. LG396 MUC]

1960-1962 D. S. Johnson (Acting)

“Acting Head of Department [of Zoology]: D.S. Johnson ...”

Source: University of Malaya. Annual Report, 1960/1961; p 114. [NUSL call no. LG396 MUAR]

1962-1971 J. L. Harrison

“Professor Harrison took up duties on 1st December 1962 [as Head of Department]. Until then Dr. D. S. Johnson was head of the Department.”

Source: University of Malaya. Annual Report, 1962/1963; p 120. [NUSL call no. LG396 MUAR]

1971-1977 S. H. Chuang

“Associate Professors ... Chuang Shou-Hwa ... [Head of Department of Zoology]”

Source: University of Singapore. General Information, 1971/1972; p 20. [NUSL call no LG399 SU.GI]

“Professor ... Chuang Shou-Hwa ... [Head of Department of Zoology]”

Source: University of Singapore. General Information, 1976/1977; p 43. [NUSL call no LG399 SU.GI]

1977-1978 L. C. Fong

“Lim Chuan Fong ...”

Source: University of Singapore. General Information, 1977/1978; p 41. [NUSL call no LG399 SU.GI]

1978-1982 R. E. Sharma

“[Head of] Zoology: Mr R E Sharma”

Source: National University of Singapore. Campus News, No. 1, 1980; p 9. [NUSL call no. LG399 NUS.CN]

“Roland Eric Sharma ... Head, Department of Zoology”

Source: National University of Singapore. Courses and Curricula, 1981/1982; p 13. [NUSL call no. LG399 NUS.C]

1982-1996 T. J. Lam

“Lam Toong Jin ... Head, Department of Zoology”

Source: National University of Singapore. Courses and Curricula, 1982/1983; p 13. [NUSL call no. LG399 NUS.C]

“Lam Toong Jin ...”

Source: National University of Singapore. Courses and Curricula, 1996/1997; p 105. [NUSL call no. LG399 NUS.C]

School of Biological Sciences

1996-1998 T. J. Lam

“Professor Lam Toong Jin Appointed Director School of Biological Sciences”

Source: National University of Singapore. Campus News, No. 119, 1996; p 14. [NUSL call no. LG399 NUS.CN]

Department of Biological Sciences

1998-1999 T. J. Lam

“Professor Lam Toong Jin Head Department of Biological Sciences”

Source: National University of Singapore. Campus News, No. 131, 1998; p 14. [NUSL call no. LG399 NUS.CN]

1999-2008 Hew Choy Leong

“Head of Departments Department of Biological Sciences Professor Hew Choy Leong”

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 9. [NUSL call no. LG399 NUSFS.AR]

2008-2009 Kumar P. Prakash (Acting)

“Assoc Prof Kumar P. Prakash Acting Head (as of 1st April 2008)”

Source: National University of Singapore. Faculty of Science. Annual Report, 2007/2008; p 5. [NUSL call no. LG399 NUSFS.AR]

“Assoc Prof Prakash KUMAR Acting Head, Biological Sciences”

Source: National University of Singapore. NUS Bulletin, 2008/2009; p 303. [NUSL call no. LG399 NUS.NB]

2009-2017 Paul Matsudaira

“... Professor Paul Matsudaira, formerly from MIT, who joined NUS as Head of Department of Biological Sciences in January 2009.”

Source: National University of Singapore. Office of the President. President's Letter, Letter Number 2009-01; p 2.

2017-- Yu Hao

“... Professor Yu Hao, who will be assuming the Headship in the Department of Biological Sciences from the same date [i.e. 1 July 2017].”

Source: National University of Singapore. Faculty of Science. Dean's Message 16/17: New Appointments to the Deanery.

Heads - Department of Chemistry

The history of the Faculty of Science may be traced back to 1929 when Raffles College was established to teach Science and Arts at tertiary level. Only classes in Chemistry, Mathematics and Physics were conducted.

In April 1975 the Applied Chemistry section formally became the Department of Chemical Engineering within the Faculty of Science where it remained till 1980 when it became part of the Faculty of Engineering.

Chemistry

1928-1940 G. McOwan

“Professor of Chemistry:- G. McOwan ...”

Source: Raffles College. Calendar, 1928/1929; p 14. [NUSL call no. LG399 RCC]

“Professor G. McOwan – Professor of Chemistry ...”

Source: Raffles College. Annual Report, 1940/1941; p 8. [NUSL call no. LG399 RC.AR]

1940-1943 D. Purdie

“Dr. Donald Purdie ... joined the College as Professor of Chemistry in 1940 ... died as a prisoner of war in Siam on May 27th, 1943.”

Source: Raffles College. Annual Report, 1946/1947; p 16. [NUSL call no. LG399 RC.AR]

1946-1948 M. Jamieson

“Mr. M. Jamieson ... was appointed to act as Professor of Chemistry as from July 1st 1946.”

Source: Raffles College. Annual Report, 1946/1947; p 16. [NUSL call no. LG399 RC.AR]

1948-1960 R. A. Robinson

“Professor R. A. Robinson was appointed Professor of Chemistry as from March 1948.”

Source: Raffles College. Annual Report, 1947/1948; p 12. [NUSL call no. LG399 RC.AR]

“During the year Professor R.A. Robinson, O.B.E., D.Sc., Ph.D., F.R.I.C., F.N.Z.I.C., resigned after being Professor of Chemistry for ten years.”

Source: University of Malaya. Annual Report, 1959/1960; p 41. [NUSL call no. LG396 MUAR]

1960-1971 Kiang Ai Kim

“[Head of Department of] Chemistry Professor : Kiang Ai Kim ...”

Source: University of Malaya. Annual Report, 1959/1960; p 41. [NUSL call no. LG396 MUAR]

“[Head of Department of] Chemistry Professors ... Kiang Ai Kim ...”

Source: University of Singapore. General Information, 1970/1971; p 19. [NUSL call no. LG399 SU.GI]

- 1971-1972 Ang Kok Peng**
 “Associate Professors ... Ang Kok Peng ...”
Source: University of Singapore. General Information, 1972/1973; p 26. [NUSL call no LG399 SU.GI]
- 1972-1975 Lee Hiok Huang**
 “Associate Professors ... Lee Hiok Huang ...”
Source: University of Singapore. General Information, 1975/1976; p 42. [NUSL call no LG399 SU.GI]
- 1975-1987 Ang Kok Peng**
 “Professor Ang Kok Peng Head, Department of Chemistry Re-appointed from July 1, 1986 to December 31, 1987”
Source: National University of Singapore. Campus News, No. 52, 1986; p 9. [NUSL call no. LG399 NUS.CN]
- 1987-1996 Sim Keng Yeow**
 “Associate Professor Sim Keng Yeow Acting Head, Department of Chemistry From January 1, 1988”
Source: National University of Singapore. Campus News, No. 68, 1988; p 15. [NUSL call no. LG399 NUS.CN]
- “Science Associate Professor Sim Keng Yeow Appointed Head Department of Chemistry”
Source: National University of Singapore. Campus News, No. 111, 1995; p 14. [NUSL call no. LG399 NUS.CN]
- 1996-1997 Lee Soo Ying**
 “Science Associate Professor Lee Soo Ying Appointed Head Department of Chemistry”
Source: National University of Singapore. Campus News, No. 119, 1996; p 14. [NUSL call no. LG399 NUS.CN]
- 1997-1998 Hardy Chan Sze On (Acting)**
 “Chan Sze On, Hardy ...”
Source: National University of Singapore. Courses and Curricula, 1997/1998; p 100.
- 1998-1999 Lai Yee Hing**
 “Associate Professor Lai Yee Hing Head Department of Chemistry”
Source: National University of Singapore. Campus News, No. 131, 1998; p 14. [NUSL call no. LG399 NUS.CN]
- 1999-2004 Andy Hor Tzi Sum**
 “Heads of Departments Department of Chemistry Professor Andy Hor Tzi Sum”
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 9. [NUSL call no. LG399 NUSFS.AR]

2004-2005 Lee Hian Kee

“Prof Lee Hian Kee ... Head, Chemistry”

Source: National University of Singapore. Courses and Curricula, 2004/2005; p 5. [NUSL call no. LG399 NUS.C]

2005-2009 Andy Hor Tzi Sum

“Prof. Hor Tzi Sum, Andy ... Head, Chemistry”

Source: National University of Singapore. NUS Bulletin, 2005/2006; p 322. [NUSL call no. LG399 NUS.NB]

“Prof Andy HOR Tzi Sum Head, Chemistry”

Source: National University of Singapore. NUS Bulletin, 2008/2009; p 303. [NUSL call no. LG399 NUS.NB]

2009-2012 Xu Guo Qin

“... I took over in July 2009.”

Source: [Xu, Guo Qin. National University of Singapore. Department of Chemistry. Head of Department. Email to authors, 21 August, 2009. Sent to Hew, Yik Suan. National University of Singapore. Medical/Science Library.]

2012-2015 Loh Kian Ping

“...Prof Loh Kian Ping assumed as Head of Department of Chemistry with effect from 1 July 2012...”

Source: [Soh, Bee Kwan Priscilla. National University of Singapore. Faculty of Science Dean's Office. Deputy Director of Administration. Email to Head of Science Library, 24 October, 2012. Sent to Kan Sok Cheng. National University of Singapore. Science Library.]

2015-- Richard Wong Ming Wah

“...We are appointing Prof Richard Wong as the Head of Department from 1 Nov 2015...”

Source: [Professor Tan, Eng Chye. National University of Singapore. Deputy President (Academic Affairs) & Provost. Email to Chemistry Department, 12 October, 2015. Sent to Science Library. National University of Singapore. Science Library.]

Applied Chemistry

1968-1974 F. H. C. Kelly

“Professor F H C Kelly, the first and only Professor of Applied Chemistry was appointed in 1968 to take charge of the Applied Chemistry of the department.”

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; pp 41-42. [NUSL call no. LG399 Nusfs.O1 2000]

“Professor Kelly resigned from the department in 1974 ...”

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; pp 41-42. [NUSL call no. LG399 Nusfs.O1 2000]

Chemical Engineering

1975-1980 P. Thurairajan

"P. Thurairajan ..."

Source: University of Singapore. General Information, 1975/1976; p 42. [NUSL call no LG399 SU.GI]

Heads - Department of Computational Science

The Faculty of Science originally offered a Programme in Computational Science leading to an Honours degree starting in the academic year 1991/1992. In March of 1996, the programme was converted to a Department in the Faculty of Science.

1991-1993 Chong Chi-Tat (Chair)

"The first Chairman was Prof Chong Chi-Tat ..."

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 54. [NUSL call no. LG399 Nusfs.O1 2000]

1993-1996 Lai Choy Heng (Chair)

"Assoc Prof Lai Choy Heng succeeded Prof Chong in 1993 as Chairman and became the first Head when the Programme became a Department in 1996."

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 54. [NUSL call no. LG399 Nusfs.O1 2000]

1996-1998 Lai Choy Heng

"Associate Professor Lai Choy Heng Appointed Head Department of Computational Science"

Source: National University of Singapore. Campus News, No. 119, 1996; p 14. [NUSL call no. LG399 NUS.CN]

1998-2000 Chow Shui Nee

"Professor Chow Shui Nee Head Department of Computational Science"

Source: National University of Singapore. Campus News, No. 128, 1998; p 14. [NUSL call no. LG399 NUS.CN]

2000-2001 Wang Jian-Sheng (Acting)

"Department of Computational Science Assoc Prof Wang Jian-Sheng, Acting Head"

Source: National University of Singapore. Campus News, No. 140, 2000; p 15. [NUSL call no. LG399 NUS.CN]

2001-2002 Chen Kan

"Department of Computational Science Assoc Prof Chen Kan, Acting Head"

Source: National University of Singapore. Campus News, No. 146, 2001; p 15. [NUSL call no. LG399 NUS.CN]

2002-2005 Dennis Creamer (Acting)

"Associate Professional Dennis Creamer, Acting Head, Department of Computational Science."

Source: National University of Singapore. Knowledge Enterprise, Jan 2002; p 2. [NUSL call no. LG399 NUS.KE]

2005 **Chen Yu Zong**

“Assoc. Prof. Chen Yu Zong Head, Computational Science”

Source: National University of Singapore. NUS Bulletin, 2005/2006; p 322. [NUSL call no. LG399 NUS.NB]

Heads - Department of Information Systems and Computer Science

The Department of Computer Science was first formed in Nanyang University. It became part of the Faculty of Science when Nanyang University and the University of Singapore were merged. The department was later renamed the Department of Information Systems and Computer Science in 1985. It was then split into Information Systems and Computer Science in 1997. In 1999, these two departments were grouped under the School of Computing.

Computer Science

1981-1984 Hsu Loke Soo

“Associate Professor ... Hsu Loke Soo ...”

Source: National University of Singapore. Courses and Curricula, 1981/1982; p 48. [NUSL call no. LG399 NUS.C]

1984-1985 Thio Hoe Tong

“Head ... Thio Hoe Tong ...”

Source: National University of Singapore. Courses and Curricula, 1984/1985; p 63. [NUSL call no. LG399 NUS.C]

Information Systems and Computer Science

1985-1993 Yuen Chung Kwong

“Professor Yuen Chung Kwong Head (Department of Information Systems and Computer Science) October 28, 1985 to June 30, 1987”

Source: National University of Singapore. Campus News, No. 45, 1985; p 15. [NUSL call no. LG399 NUS.CN]

“Professor Yuen Chung Kwong Re-appointed Head Department of Information Systems and Computer Science For two years from July 1, 1991”

Source: National University of Singapore. Campus News, No. 89, 1991; p 10. [NUSL call no. LG399 NUS.CN]

1993-1997 Chong Chi Tat

“Chong Chi Tat ...”

Source: National University of Singapore. Courses and Curricula, 1994/1995; p 90. [NUSL call no. LG399 NUS.C]

1997-1998 Chua Tat Seng (Acting)

“Associate Professor Chua Tat Seng Appointed Acting Head Department of Information Systems and Computer Science”

Source: National University of Singapore. Campus News, No. 123, 1997; p 14. [NUSL call no. LG399 NUS.CN]

Heads - Department of Materials Science

The Department of Material Science started as a joint programme of Chemistry and Physics in the academic year 1991-1992. The Department was officially established in March 1996. In April 2005, the department was transferred to the Faculty of Engineering and renamed the Department of Materials Science and Engineering.

1991-1996 Ng Ser Choon and Gan Leong Ming (Co-chairs)

“Professor Ng Ser Choon (Physics) and Professor Gan Leong Ming (Chemistry) were the programme co-chairmen.”

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 58. [NUSL call no. LG399 Nusfs.O1 2000]

1996-1998 Ng Ser Choon

“Professor Ng Ser Choon Appointed Head Department of Materials Science”

Source: National University of Singapore. Campus News, No. 119, 1996; p 14. [NUSL call no. LG399 NUS.CN]

1998-2000 Hardy Chan Sze On

“Professor Hardy Chan Head Department of Materials Science”

Source: National University of Singapore. Campus News, No. 128, 1998; p 14. [NUSL call no. LG399 NUS.CN]

2000-2004 Michael R. Philpott

“Department of Materials Science Prof Michael Philpott, Head”

Source: National University of Singapore. Campus News, No. 141, 2000; p 15. [NUSL call no. LG399 NUS.CN]

2004-2005 Chow Gan Moog

“Assoc Professor Chow Gan Moog ... Head, Materials Science”

Source: National University of Singapore. Courses and Curricula, 2004/2005; p 5. [NUSL call no. LG399 NUS.C]

Heads - Department of Mathematics

The history of the Faculty of Science may be traced back to 1929 when Raffles College was established to teach Science and Arts at tertiary level. Only classes in Chemistry, Mathematics and Physics were conducted.

Mathematics

1928-1931 R. K Butchart

“Professor of Mathematics:- R.K Butchart ...”

Source: Raffles College. Calendar, 1928/1929; p 14. [NUSL call no. LG399 RCC]

“Professor of Mathematics:- R.K Butchart ...”

Source: Raffles College. Calendar, 1931/1932; p 12. [NUSL call no. LG399 RCC]

1931-1957 A. Oppenheim

“Professor of Mathematics:- A Oppenheim ...”

Source: Raffles College. Calendar, 1932/1933; p 12. [NUSL call no. LG399 RCC]

“Professor Oppenheim, on his return from leave on 1 January 1957, was appointed Vice-Chancellor for two years, after which he would return to his position as Head of Department.”

Source: University of Malaya. Annual Report, 1956/1957; p 64. [NUSL call no. LG396 MUAR]

1957-1959 R. K. Guy

“Head of Department from June 1957: R.K. Guy ...”

Source: University of Malaya. Annual Report, 1956/1957; p 64. [NUSL call no. LG396 MUAR]

“Head of Department: R.K. Guy ... until 24 March 1959”

Source: University of Malaya. Annual Report, 1958/1959; p 58. [NUSL call no. LG396 MUAR]

1959-1962 D. Pedoe

“Professor D. Pedoe arrived on 28 October 1959 to take over the Chair of Mathematics and the Headship of the Department.”

Source: University of Malaya. Annual Report, 1959/1960; p 65. [NUSL call no. LG396 MUAR]

“Professor D. Pedoe resigned from the Chair of Mathematics and left in January 1962 ...”

Source: University of Malaya. Annual Report, 1961/1962; p 78. [NUSL call no. LG396 MUAR]

- 1962-1979 P. H. Diananda**
 “Dr. Diananda took over as acting Head of the Department.”
Source: University of Malaya. Annual Report, 1961/1962; p 78. [NUSL call no. LG396 MUAR]
- 1979-1980 K. K. Sen**
 “K. K. K. Sen ...”
Source: University of Singapore. General Information, 1979/1980; p 41. [NUSL call no. LG399 SU.GI]
- 1980-1982 Teh Hoon Heng**
 “Teh Hoon Heng ...”
Source: National University of Singapore. Courses and Curricula, 1981/1982; p 48. [NUSL call no. LG399 NUS.C]
- 1982-1996 Peng Tsu Ann**
 “Peng Tsu Ann ...”
Source: National University of Singapore. Courses and Curricula, 1983/1984; p 60. [NUSL call no. LG399 NUS.C]
- 1996-2000 Louis Chen**
 “Professor Louis Chen Appointed Head of Department of Mathematics”
Source: National University of Singapore. Campus News, No. 120, 1996; p 18. [NUSL call no. LG399 NUS.CN]
- 2000-2006 Lee Seng Luan**
 “Department of Mathematics Prof Lee Seng Luan, Head”
Source: National University of Singapore. Campus News, No. 143, 2000; p 14. [NUSL call no. LG399 NUS.CN]
- 2006-2012 Chong Chi Tat**
 “Prof. CHONG, Chi Tat Head, Mathematics”
Source: National University of Singapore. NUS Bulletin, 2006/2007; p 286. [NUSL call no. LG399 NUS.NB]
 “Prof CHONG Chi Tat Head, Mathematics”
Source: National University of Singapore. NUS Bulletin, 2008/2009; p 303. [NUSL call no. LG399 NUS.NB]
- 2012-2014 Shen Zuowei**
 “...Prof Shen Zuowei assumed as Head of Department of Mathematics with effect from 1 July 2012...”
Source: [Soh, Bee Kwan Priscilla. National University of Singapore. Faculty of Science Dean’s Office. Deputy Director of Administration. Email to Head of Science Library, 24 October, 2012. Sent to Kan Sok Cheng. National University of Singapore. Science Library.]

2014-- **Zhu Chengbo**

"With the appointment of Professor Zhu Chengbo as Head of Department of Mathematics with effect from 1 April 2014..."

Source: Dean's Message 3/14: Appointments in Department of Mathematics, 20 January 2014.

Heads - Department of Pharmacy

In 1905, the Department of Pharmaceutics at the King Edward VII College of Medicine began to conduct licensing courses for dispensers. By 1935, the Diploma in Pharmacy was offered by the Department. The degree course in Bachelor of Pharmacy began in 1957. The Department of Pharmacy joined the Faculty of Science in 1957. Before this, Pharmacy existed as a department in the Faculty of Medicine and following that, as an independent School of Pharmacy from 1965-1974.

1935-1947 T. Roebuck

"Pharmacy ... Lecturer: T. Roebuck ..."

Source: King Edward VII College of Medicine, Singapore. Calendar, 1934/1935; p 44. [NUSL call no. LG399 KE.C]

1947-1959 A. F. Caldwell

"Pharmaceutics ... A. F. Caldwell ... Senior Lecturer in Pharmacy"

Source: King Edward VII College of Medicine, Singapore. Annual Report, 1947; p 20. [NUSL call no. LG399 KE.A]

1959-1973 T. H. Elliot

"T. H. Elliot ..."

Source: University of Singapore. General Information, 1972/1973; p 28. [NUSL call no LG399 SU.GI]

1973-1975 Rosalind Tao

"Mrs. Tao Chuen-Chi ..."

Source: University of Singapore. General Information, 1974/1975; p 33. [NUSL call no LG399 SU.GI]

1975-1978 P. N. Natarajan

"P.N Natarajan ..."

Source: University of Singapore. General Information, 1975/1976; p 43. [NUSL call no LG399 SU.GI]

"P.N Natarajan ..."

Source: University of Singapore. General Information, 1977/1978; p 40. [NUSL call no LG399 SU.GI]

1978-1988 Alfred Wan

"Alfred Wan Sai Cheong ..."

Source: National University of Singapore. Courses and Curricula, 1980/1981; p 42. [NUSL call no. LG399 NUS.C]

"Associate Professor Alfred Wan Head, Department of Pharmacy Re-appointed from July 1, 1986 to April 30, 1988"

Source: National University of Singapore. Campus News, No. 52, 1986; p 9. [NUSL call no. LG399 NUS.CN]

1988-1994 Lucy Wan

“Professor Lucy Wan Acting Head, Department of Pharmacy From April 10 to June 27, 1987”

Source: National University of Singapore. Campus News, No. 62, 1987; p 7. [NUSL call no. LG399 NUS.CN]

“Professor Lucy Wan Re-appointed Head, Department of Pharmacy For one year from 1 April 1993”

Source: National University of Singapore. Campus News, No. 100, 1993; p 15. [NUSL call no. LG399 NUS.CN]

1994-1996 Ngiam Tong Lan

“Associate Professor Ngiam Tong Lan Appointed Acting Head Department of Pharmacy”

Source: National University of Singapore. Campus News, No. 105, 1994; p 15. [NUSL call no. LG399 NUS.CN]

1996-2000 Go Mei Lin

“Dr Go Mei Lin Appointed Acting Head Department of Pharmacy”

Source: National University of Singapore. Campus News, No. 121, 1996; p 18. [NUSL call no. LG399 NUS.CN]

2000-2005 Paul Heng Wan Sia

“Head of Department’s ... Department of Pharmacy ... Associate Professor Paul Heng Wan Sia”

Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 3. [NUSL call no. LG399 NUSFS.AR]

2005-2013 Chan Sui Yung

“Assoc. Prof. Chan Sui Yung Head, Pharmacy”

Source: National University of Singapore. NUS Bulletin, 2005/2006; p 322. [NUSL call no. LG399 NUS.NB]

“Assoc Prof CHAN Sui Yung Head, Pharmacy”

Source: National University of Singapore. NUS Bulletin, 2008/2009; p 303. [NUSL call no. LG399 NUS.NB]

2013 -2015 Chui Wai Keung

“Assoc. Prof. Chui Wai Keung Head Department of Pharmacy”

Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 6. [NUSL call no. LG399 NUSFS.AR]

2016-- Christina Chai Li Lin

"I am pleased to announce that Associate Professor Christina Chai Li Lin will be appointed as Head of Department of Pharmacy, with effect from 1 January 2016."

Source: Dean's Message 26/15: Appointment of Head of Department of Pharmacy, 17 December 2015.

Heads - Department of Physics

The history of the Faculty of Science may be traced back to 1929 when Raffles College was established to teach Science and Arts at tertiary level. Only classes in Chemistry, Mathematics and Physics were conducted.

1928-1935 E. Madgwick

“Professor of Physics:- E. Madgwick ...”

Source: Raffles College. Calendar, 1928/1929; p 14. [NUSL call no. LG399 RCC]

“Professor E. Madgwick – Professor of Physics.”

Source: Raffles College. Calendar, 1935/1936; p 7. [NUSL call no. LG399 RCC]

1935-1936 C. G. Webb (Acting)

“Professor: Vacant. Lecturer: C.G. Webb, B.Sc., (London). Lecturer: E.F. Pearson, B.A., B.Sc., (T.C.D.) (part time).”

Source: Raffles College. Annual Report, 1935/1936; p 11. [NUSL call no. LG399 RC.AR]

“Professor of Physics :- C. G. Webb, B.Sc., (London). (Acting)”

Source: Raffles College. Calendar, 1936/1937; p 8. [NUSL call no. LG399 RCC]

1936-1951 N. S. Alexander

“Professor N. S. Alexander – Professor of Physics.”

Source: Raffles College. Calendar, 1937/1938; p 8. [NUSL call no. LG399 RCC]

“Professor N S Alexander resigned on appointment to the Chair of Physics in University College, Ibaden, and left in July for the United Kingdom...”

Source: University of Malaya. Annual Report, 1951/1952; p 47. [NUSL call no. LG396 MUAR]

1951-1956 C. G. Webb

“There were two resignations during the year... Mr C G Webb on 30 June 1956.”

Source: University of Malaya. Annual Report, 1955/1956; p 89. [NUSL call no. LG396 MUAR]

1956-1959 Hon Yung Sen

“Acting Head of Department [of Physics]: Hon Yung Sen ...”

Source: University of Malaya. Annual Report, 1956/1957; p 82. [NUSL call no. LG396 MUAR]

1959-1967 K. M. Gatha

“Professor K.M. Gatha arrived in June 1959 from the Institute of Science, Bombay, to fill the Chair of Physics, which had remained vacant since 1952.”

Source: University of Malaya. Annual Report, 1959/1960; p 86. [NUSL call no. LG396 MUAR]

“The Department reports with sorrow the death of Professor K. M. Gatha ... professor of Physics who passed away on 1 July 1967 ...”

Source: University of Singapore. Annual Report, 1967/1968; p 99. [NUSL call no. LG399 SU.R]

1967-1969 Hon Yung Sen (Acting)

“Acting Head: Hon Yung Sen ...”

Source: University of Singapore. Annual Report, 1967/1968; p 99. [NUSL call no. LG399 SU.R]

1969-1982 A. Rajaratnam

“A. Rajaratnam ...”

Source: National University of Singapore. Courses and Curricula, 1982/1983; p 56. [NUSL call no. LG399 NUS.C]

1982-1988 Lim Yung Kuo

“*Lim Yung Kuo ...”

“* Asterisks indicate heads or acting heads of departments.”

Source: National University of Singapore. Courses and Curricula, 1983/1984; p 62. [NUSL call no. LG399 NUS.C]

“The following have been re-appointed for a period of two years from July 1, 1986: Professor Lim Yung Kuo Head, Department of Physics”

Source: National University of Singapore. Campus News, No. 52, 1986; p 9. [NUSL call no. LG399 NUS.CN]

1988-1995 Tang Seung Mun

“Associate Professor Tang Seung Mun Head, Department of Physics From November 1, 1988 to June 30, 1989”

Source: National University of Singapore. Campus News, No. 74, 1988; p 15. [NUSL call no. LG399 NUS.CN]

1995-1997 Tan Kuang Lee

“Science Professor Tan Kuang Lee Appointed Head Department of Physics”

Source: National University of Singapore. Campus News, No. 113, 1995; p 14. [NUSL call no. LG399 NUS.CN]

- 1997-1998 Bernard Tan Tiong Gie**
 “Associate Professor Bernard Tan Appointed Head Department of Physics”
Source: National University of Singapore. Campus News, No. 125, 1997; p 14. [NUSL call no. LG399 NUS.CN]
- 1998-2000 Lai Choy Heng**
 “Associate Professor Lai Choy Heng Head Department of Physics”
Source: National University of Singapore. Campus News, No. 129, 1998; p 16. [NUSL call no. LG399 NUS.CN]
- 2000-2006 Oh Choo Hiap**
 “Department of Physics Prof Oh Choo Hiap, Head”
Source: National University of Singapore. Campus News, No. 143, 2000; p 14. [NUSL call no. LG399 NUS.CN]
- 2006-2007 Andrew Wee Thye Shen**
 “Prof. WEE, Thye Shen, Andrew Head, Physics”
Source: National University of Singapore. NUS Bulletin, 2006/2007; p 286. [NUSL call no. LG399 NUS.NB]
- 2007-2014 Feng Yuan Ping**
 “Prof FENG Yuan Ping Head, Physics”
Source: National University of Singapore. NUS Bulletin, 2008/2009; p 303. [NUSL call no. LG399 NUS.NB]
- 2014-- Sow Chorng Haur**
 “...announce the administrative appointments of the following faculty members:
 Head of Department from 1 July 2014
 Faculty Member Department
 Prof Sow Chorng Haur Physics”
Source: Dean's Message 10/14: FoS Appointment of HoD and Deputy/Assistant HoDs, 10 April 2014.

Heads - Department of Statistics and Applied Probability

The Department of Statistics and Applied Probability was formed on 1 April 1998. Prior to this, Statistics courses were taught by the Department of Mathematics and the Department of Economics and Statistics.

1998-2000 Hsing Tailen

“Associate Professor Hsing Tailen Head Department of Statistics”

Source: National University of Singapore. Campus News, No. 130, 1998; p 15. [NUSL call no. LG399 NUS.CN]

2000-2002 Truong, Young Kinh-Nhue

“Department of Statistics & Applied Probability Professor Truong, Young Kinh-Nhue, Head”

Source: National University of Singapore. Campus News, No. 146, 2001; p 15. [NUSL call no. LG399 NUS.CN]

2002-2004 Louis Chen

“Professor Louis Chen ... appointed Head, Department of Statistics and Applied Probability, with effect July 2002”

Source: National University of Singapore. Knowledge Enterprise, Aug 2002; p 2. [NUSL call no. LG399 NUS.KE]

2004-2010 Anthony Kuk

“Associate Professor Anthony Kuk, appointed Acting Head, Department of Statistics and Applied Probability, with effect 1st August 2003”

Source: National University of Singapore. Knowledge Enterprise, Sep 2003; p 2. [NUSL call no. LG399 NUS.KE]

“Prof Anthony KUK Yung Cheung Head, Statistics and Applied Probability”

Source: National University of Singapore. NUS Bulletin, 2008/2009; p 303. [NUSL call no. LG399 NUS.NB]

2010-2015 Loh Wei Liem

“Prof Loh Wei Liem. Department of Statistics & Applied Probability. (Acting Head from 1 July 2010).”

Source: National University of Singapore. Faculty of Science. Annual Report, 2009/2010; p 5. [NUSL call no. LG399 NUSFS.AR]

2015 -- Chan Hock Peng

“I am pleased to announce that Professor Chan Hock Peng will be appointed as Head of Statistics and Applied Probability (DSAP) in the Faculty of Science with effect from 1 July 2015.”

Source: Dean's Message 8/15: Head of Statistics & Applied Probability, 6 May 2015.

Heads – Lee Kong Chian Natural History Museum

The Lee Kong Chian Natural History Museum was established on 1 April 2014. Prior to this, it was formerly known as the Raffles Museum of Biodiversity Research.

April 2014 -- Peter Ng Kee Lin

"... Appointments from 1 April 2014

Faculty Member Appointment

Prof Peter Ng Kee Lin Head, Lee Kong Chian Natural History Museum"

*Source: Dean's Message 13/14: FoS New Academic Unit and Appointment of its
Head and Deputy Head, 15 April 2014.*

Milestones – King Edward VII College of Medicine (1905-1949)

- 1823** “The idea of a University of Malaya is almost as old at the Colony of Singapore. On April 1st 1823 Sir Stamford Raffles proposed the establishment of an institution of the nature of a College which would not only provide education and instruction but which would also provide facilities for research.” Pha
- Source: University of Malaya. Calendar, 1949/1950; p 19. [NUSL call no. LG396 MUC]*
- 1904** “In September, 1904, the Hon’ble Tan Jiak Kim, a member of the Legislative Council and an influential member of the Chinese Community, petitioned the Government on behalf of the Chinese and other communities of this Colony praying for the establishment of a Medical School.” Pha
- Source: Straits Settlements. Medical Department. The Straits Settlements Medical Report for the Year, 1904; p 5. [NUSL call no. RA316.5 MMA]*
- 1905** “Its birth as a school of medicine at Sepoy Lines in 1905 was initiated through the efforts of civic-minded community leaders who, led by Tan Jiak Kim, raised money without colonial government funding.” Pha
- Source: National University of Singapore. The NUS Story: 100 Years of Heritage; Quah, Marian, Ed.; NUS Museum, National University of Singapore: Singapore, 2006; p 8. [NUSL call no. LG399 NUS.NS]*
- 1905** “Pharmacy education in Singapore can trace its beginnings to the establishment of the Medical College on 3rd July 1905 ... It was necessary for medical students to receive instruction in material medica and other aspects of pharmacy and this was developed by part-time teachers at the Kandang Kerbau Hospital.” Pha
- Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 10. [NUSL call no. LH7 PHA]*
- 1905** “On September 28, 1905, the School was formally declared to be open by Governor Sir Anderson, K.C.B., K.C.M.G., supported by the first Principal of the School – Dr Gerald Dudley Freer.” Pha
- Source: King Edward VII College of Medicine, Singapore. Calendar, 1923/1924; p 5. [NUSL call no. LG399 KE.C]*
- 1905** “In 1905, local candidates who wished to qualify for a Pharmaceutical License under the provisions of the Morphine and Poison Ordinance were permitted to do so upon passing examinations conducted under the auspices of the Medical School.” Pha
- Source National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 10. [NUSL call no. LH7 PHA]*

- 1908** “In September 1908, the Medical School Ordinance was amended and the Council of the Medical School was empowered to examine and grant certificates of competency to applicants for a Pharmaceutical Licence.”
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 39. [NUSL call no. LG399 NUSFS.S] Pha
- 1910** “... In 1910, it was further specified that persons wishing to sit for this examination for a licence must show evidence of having worked at dispensing under the supervision of a chemist and druggist having the qualification of MPS (Member of the Pharmaceutical Society of Great Britain) or its equivalent, as well as attendance in pharmacy courses at the Medical School.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 10. [NUSL call no. LH7 PHA] Pha
- 1912** “Regulations for the diploma [in medicine] ... Every candidate shall produce sufficient evidence ... that he has attended a course or courses of instruction in each of the following subjects of study:- ... Chemistry and Physics ...”
Source: King Edward VII College of Medicine, Singapore. Calendar, 1912/1913; p 11. [NUSL call no. LG399 KE.C] Pha
- 1912** “On the 23rd of November, 1912, the Committee of the King Edward VII Memorial Fund handed over to the Council of the School the sum of \$124,855.87 to found a King Edward professorship.”
Source: King Edward VII College of Medicine, Singapore. Calendar, 1914/1915; p 10. [NUSL call no. LG399 KE.C] Pha
- 1913** “By the King Edward VII Medical School Ordinance, 1913, the name of the School was changed from “The Straits and Federated Malay States Government Medical School” to “the King Edward VII Medical School, Singapore [on 18 November 1913] ... It was the first institution of higher learning in Singapore”
Source: King Edward VII College of Medicine, Singapore. Calendar, 1922; p 16. [NUSL call no. LG399 KE.C] Pha
- 1913** “In 1913, a more comprehensive syllabus (which included chemistry, physics, pharmacy and material medica) was defined for the examination for Pharmaceutical Licence and the examination was renamed “Examination of Qualified Dispenser”. The course did not attract many students as it did not give the holder any better financial returns than that of an unqualified dispenser. Thus, it was discontinued in 1928.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; pp 10-11. [NUSL call no. LH7 PHA] Pha

- 1918** “In 1918 it was recommended that the most suitable memorial for the centenary of the foundation of Singapore would be a college for higher education to be known as Raffles College and it was hoped that this College would form the nucleus of a future university.”
Source: University of Malaya. Calendar, 1949/1950; p 20. [NUSL call no. LG396 MUC] Pha
- 1919** “A subscription fund was opened in 1919 and the support received from the various Governments of Malaya and the public justified the commencement of building operations.”
Source Raffles College. Annual Report, 1947/1948; p 1. [NUSL call no. LG399 RC.AR] Pha
- 1921** “In 1921 substantial academic expansion took place, and the name was further changed to the King Edward VII College of Medicine.”
Source: University of Singapore. General Information, 1970/1971; p 1. [NUSL call no LG399 SU.GI] Pha
- 1923** “The foundation stone of a new three-storey building had been laid earlier on 6 September 1923. It was a defining moment when the King Edward VII College of Medicine moved into this imposing building reminiscent of Greek architecture when it was ready.”
Source: From the Alumni Perspective: Centenary of Tertiary Education, 1905-2005: Thence, Now, Hence; Lim, Kuang Hui, Ed.; Alumni Association of the King Edward VII College of Medicine and the Faculties of Medicine, Universities of Malaya and Singapore and the Office of Alumni Relations, National University of Singapore: Singapore, 2005; p 61. [NUSL call no. LG399 NUS.FR] Pha
- 1926** “The new building was officially opened on 15th February 1926 by Sir Lawrence Nunns Guillemand, the then governor of the Straits Settlement.”
Source: From the Alumni Perspective: Centenary of Tertiary Education, 1905-2005: Thence, Now, Hence; Lim, Kuang Hui, Ed.; Alumni Association of the King Edward VII College of Medicine and the Faculties of Medicine, Universities of Malaya and Singapore and the Office of Alumni Relations, National University of Singapore: Singapore, 2005; p 61. [NUSL call no. LG399 NUS.FR] Pha
- 1928** “... In 1928, the Straits Settlements Government appointed its first pharmacist, Mr. T Roebuck (PhC, MPS) at the General hospital and he was also appointed lecturer in pharmacy at the Medical College.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 11. [NUSL call no. LH7 PHA] Pha

Milestones – Raffles College (1928-1949)

- 1928** “The vision of Sir Thomas Stamford Raffles for an educated and civilised colony was realised by the setting up of Raffles College.” FOS
Source: National University of Singapore. National University of Singapore Home Page. <http://www.nus.edu.sg/aboutus/milestones/1905.php#2> (Accessed Aug 2009)
- 1928** “Straits Settlement government gives a gift of land and S\$1,000,000 for Raffles College [in 1928]” FOS
Source: National University of Singapore. Transforming Lives: NUS Celebrates 100 Years of University Education in Singapore, 2005; p 17. [NUSL call no. LG399 NUS.Tr 2005]
- 1928** “The [Raffles] College, however, opened informally in June, 1928.” FOS
Source: Raffles College. Calendar, 1932/1933; p 7. [NUSL call no. LG399 RCC]
- 1928** “The first science students of Raffles College, the predecessor to NUS, were enrolled in 1928.” FOS
Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 77. [NUSL call no. LG399 NUSFS.F]
- 1928** “When the College started to function in 1928, it comprised a large administration block, a small science block, and two still uncompleted hostels. It had no library apart from small departmental libraries.” FOS
Source: University of Singapore. Campus News, No. 4, 1978; p 6. [NUSL call no. LG399 SU.CN]
- 1928** “Raffles College students enrolled for either arts or science. The difference in them was that the arts students worked in the library on their essays and the science students worked in the laboratory with their test tubes. They shared some common interests, in particular in sports and games.” FOS
*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 55. [NUSL call no. LG399 NUS*Le]*
- 1929** “[Raffles College] was formally opened on July 22nd, 1929, by H.E, the Governor, Sir Hugh Clifford, G.C.M.G., G.B.E., M.C.S.” FOS
Source: Raffles College. Calendar, 1932/1933; p 7. [NUSL call no. LG399 RCC]
- 1929** [Biology listed as a course offered in arrangement with King Edward VII College of Medicine.] Bio
Source: Raffles College. Calendar, 1929/1930; p 15. [NUSL call no. LG399 RCC]

- 1929** "Officially the Department of Chemistry started in 1929 with the opening of Raffles College ..."
Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 1. [NUSL call no. LG399 NUSDC.D]
- 1929** [Chemistry was listed as a course of study.]
Source: Raffles College. Calendar, 1929/1930; pp 22-24. [NUSL call no. LG399 RCC]
- 1929** "Enrolment in that year reached forty-three, including two women. The College's two departments, Arts and Science, offered courses in English, Education (mandatory for all), History and Economics, Geography, Mathematics, Physics, and Chemistry, which were taught by a staff of four."
Source: University of Singapore. Campus News, No. 4, 1978; p 6. [NUSL call no. LG399 SU.CN]
- 1929** "At the formation of Raffles College the Department of Chemistry was housed in the right wing of the Manasseh Meyer Science Building at the Bukit Timah campus."
Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 3. [NUSL call no. LG399 NUSDC.D]
- 1929** "The history of the Department of Mathematics at NUS can be traced back to 1929, when science education began in Singapore with the opening of the Raffles College when less than five students enrolled in mathematics."
Source: National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/> (Accessed Aug 2009)
- 1929** [Mathematics Pure and Applied was listed as a course of study.]
Source: Raffles College. Calendar, 1929/1930; pp 22-24. [NUSL call no. LG399 RCC]
- 1929** "Mathematics was taught to the Arts as well as the Science students from the very beginning of Raffles College [in 1929]."
Source: Peng, Tsu Ann. A Brief History of the Department of Mathematics, 1989. National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/misc/History%20of%20Department.pdf> (Accessed Aug 2009)
- 1929** [Physics was listed as a course of study.]
Source: Raffles College. Calendar, 1929/1930; pp 22-24. [NUSL call no. LG399 RCC]

- 1929** “... In 1929 the Manasseh Meyer Science building at Bukit Timah Campus was opened, half of it being made available to the Physics Department.”
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 48. [NUSL call no. LG399 NUSFS.S] Phy
- Early 1930s** “In the early thirties, the teaching of science subjects like chemistry and physics was quite rudimentary. The science laboratories were first started in Raffles Institution and the laboratory facilities were made available to pupils of other schools like the Anglo Chinese School, St Joseph’s Institution and St Andrew’s School. It was after more science graduates of the College became available as teachers that laboratories were gradually built in other schools.”
Source: National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore, 1993; p 42. [NUSL call no. LG399 RC.Ra] FOS
Chem
Phy
- 1931** “The first 28 Raffles College students graduated with Arts or Science diplomas.”
*Source: Lim, Peter H.L.; Lam, Dana. The Heart Is Where It Is: The NUSS Story; Baker, Maurice, Ed.; National University of Singapore Society: Singapore, 1994; p 16. [NUSL call no. LG399 NUSS*L]* FOS
- 1931** “The Stamford Club [Singapore] was formed in 1931 when the first batch of students graduated from Raffles College.”
Source: National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore, 1993; p 20. [NUSL call no. LG399 RC.Ra] FOS
- 1934** “Its early years were made difficult by a major economic depression, and by 1934-5 it had only eighty students, but from then on a steady growth took place.”
Source: National University of Singapore. General Information, 1989/1990; p 1. [NUSL call no. LG399 NUS.GI] FOS
- 1934** “... In 1934, the Registration of Pharmacists Ordinance was passed. The Ordinance established a Pharmacy Board with statutory powers over registration, discipline and the training of pharmacists. The qualifications recognized at that time for registration were any pharmaceutical qualification recognized by the Board or the Pharmaceutical Society of Great Britain.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 11. [NUSL call no. LH7 PHA] Pha

- 1935** “In 1935, the chemistry and physics laboratories at Raffles College were quite small. The chemistry department occupied two storeys in the right wing of the science block or Manasseh Meyer Building, while the other wing was occupied by the physics department. Each department had two lecture rooms with seating capacities of 90 and 40, two laboratories with small preparation rooms attached to accommodate 56 and 44 students. There was a small room for the professor, while the lecturer had a desk in the laboratory on the ground floor; in the same laboratory, another desk was added for the demonstrator ... Emphasis was placed on teaching as there were no facilities for research. Teaching was carried out by a professor and a lecturer, assisted by demonstrators who helped mainly in the practical classes.”
- Source: National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore, 1993; p 42. [NUSL call no. LG399 RC.Ra]*
- FOS
Chem
Phy
- 1935** “First Raffles College reunion dinner [was held in 1935].”
- Source: National University of Singapore. Transforming Lives: NUS Celebrates 100 Years of University Education in Singapore, 2005; p 25. [NUSL call no. LG399 NUS.Tr 2005]*
- FOS
- 1935** “... The Pharmacy Department has undergone several structural and administrative transformations accompanied by curriculum revision, modernization of facilities, and upgrading the course to a diploma course in 1935.”
- Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 67. [NUSL call no. LG399 NUSFS.F]*
- Pha
- 1935** “To address the pressing need for locally trained pharmacists, the College of Medicine initiated a one-year Diploma of Pharmacy course in 1935. The course was largely modeled after the Chemist and Druggist Qualifying Examination of the Pharmaceutical Society of Great Britain. Subjects taught were botany, pharmacognosy, pharmaceutical Latin, pharmacy and pharmaceutical chemistry.”
- Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 11. [NUSL call no. LH7 PHA]*
- Pha

- 1935** “The first course in pharmacy started in 1935, and was in two parts. Part one consisted of a three-year period of attachment to an approved dispensary or hospital. This was intended for the pupil to learn through working with a pharmacist. On completion, the pupil moved on to part two, which was a course in the King Edward VII College of Medicine for one academic year.”
Pha
*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 40. [NUSL call no. LG399 NUS*Le]*
- 1935** “The first course for the qualifying examination for pharmacists commenced in the 1st October, 1935 and was attended by 13 students.”
Pha
Source: King Edward VII College of Medicine, Singapore. Annual Report, 1935; p 5. [NUSL call no. LG399 KE.A]
- 1935** “The number of medical and dental students taking physics was usually much larger than that of science students. In the academic year 1935/36, for example, 44 medical and dental students read physics while only 11 science students took first year physics, 5 took second year physics and 2 took final year physics.”
Phy
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 48. [NUSL call no. LG399 NUSFS.S]
- 1936** “From 1936 the College also awarded a Diploma in Pharmacy.”
Pha
Source: National University of Singapore. General Information, 1989/1990; p 1. [NUSL call no. LG399 NUS.GI]
- 1938** “In 1938 a constitutional change was effected by the creation of the post of Principal. The Principal was to be the chief executive officer of the College and was to be selected by the Governor from amongst the professors.”
FOS
Source: Raffles College. Annual Report, 1947/1948; p 1. [NUSL call no. LG399 RC.AR]
- 1938** “The main buildings, designed by Messrs. Farey & Dawbarn of London, will ultimately enclose two quadrangles. The present buildings include an Administration Block with the Oei Tiong Ham Hall, the Manasseh Meyer Science School, the Eu Tong Sen Hall of Residence for 60 students and the Federal Hall of Residence for 40 students. On account of a shortage of lecture-room accommodation, the President’s House and part of the Federal Hall of Residence have been converted into lecture rooms.”
FOS
Source: Raffles College. Annual Report, 1938/1939; p 2. [NUSL call no. LG399 RC.AR]

- 1938** "During the early years of Raffles College, the Chemistry Department consisted of a professor and a lecturer. It was not until 1938 that a demonstrator was appointed to assist with the teaching. There were no research facilities and higher degree students. Under these circumstances, research was virtually nil. On the other hand, this period must always be remembered as the beginning, of higher scientific education in this country."
Source: Kiang, Ai Kim. Research programs in the Chemistry Department, University of Singapore. In Research Programs in Singapore: (Proceedings and Papers of a Seminar held under the Auspices of Nanyang University from 6 to 7 August 1969); Nanyang University: Singapore, 1970; p 71. [NUSL call no. Q180.12 Sem]
- 1938** "Emeritus Professor Kiang Ai Kim is well-known as the most senior Professor of Chemistry in Singapore and this region. Born in Singapore on 8 November 1915, Professor Kiang graduated from Raffles College with a First Class Diploma in Science in 1938. He then became the first Singaporean scientist to join the Chemistry Department of Raffles College and played a crucial role in re-establishing the Chemistry Department immediately after World War II."
Source: National University of Singapore. Department of Chemistry Home Page. <http://www.chemistry.nus.edu.sg/graduates/KAK/KAK.htm> (Accessed Aug 2009)
- 1938** "Kiang Ai Kim became the first Singaporean scientist to join the Chemistry Department of Raffles College in 1938 ..."
Source: University of Singapore. Gazette, Vol. 2, No. 10, 1971; p 4. [NUSL call no. LG399 Su.G]
- 1938** "An innovation this year was the introduction of a course in Applied Mathematics for students in their first year. The standard of the London Intermediate B.A. and B.Sc. examinations is now approximately covered by the time students have completed their first year course."
Source: Raffles College. Annual Report, 1938/1939; p 15. [NUSL call no. LG399 RC.AR]
- 1938** "The Mathematical Library has been kept up to date during the year, and the leading text-books and journals in all branches of Mathematics, in English, French and German, have been bought."
Source: Raffles College. Annual Report, 1938/1939; p 15. [NUSL call no. LG399 RC.AR]
- 1941** "... Queen's Scholarships to be awarded to graduates of Raffles College and the Medical College from 1941 onwards."
Source: National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore, 1993; p 24. [NUSL call no. LG399 RC.Ra]

- 1942-1945** "When war was declared on Japan the academic activities of the College ceased."
Source: Raffles College. Annual Report, 1947/1948; p 1. [NUSL call no. LG399 RC.AR] FOS
- 1942-1945** "During the war Raffles College was used by the Japanese Arm Forces."
Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 3. [NUSL call no. LG399 NUSDC.D] FOS
- 1942-1945** "During the Occupation the Japanese used the College of Medicine buildings as a serological institute and the Raffles College buildings as a military headquarters."
Source: University of Malaya. Calendar, 1949/1950; p 21. [NUSL call no. LG396 MUC] FOS
- 1946** "At the end of war the Medical College buildings were rapidly returned to their use and the College re-opened early in 1946. The Raffles College buildings were occupied by the British Military Forces, and, as the College was unable to recover them till later in the year, classes could not be started till October. The work of rehabilitation of the buildings and of re-equipment of libraries, laboratories, lecture rooms, offices and houses was pushed forward with all possible speed and though, owing to the magnitude of the task, it is still incomplete, the Colleges were functioning as such when the Carr-Saunders Commission on University Education in Malaya arrived in Singapore in March, 1947."
Source: University of Malaya. Calendar, 1949/1950; p 21. [NUSL call no. LG396 MUC] FOS
- 1946** "The work involved in the rehabilitation was enormous but the energy and devotion of the staff was such that it was possible to resume teaching on 17th June, 1946, when 200 of the pre-war students returned to the College."
Source: King Edward VII College of Medicine, Singapore. Annual Report, 1946; p 1. [NUSL call no. LG399 KE.A] FOS
- 1946** "The College reopened on 10 October 1946. Final year students were granted war diplomas, first and second year students entered the second and third year respectively."
Source: National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore, 1993; p 34. [NUSL call no. LG399 RC.Ra] FOS

- 1946** “The Science Faculty badly needed more space, laboratories and apparatus ... Chemistry and Physics were also ill-accommodated.” FOS
Chem
Phy
- Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 94. [NUSL call no. LG399 NUS*Le]*
- 1946** “When Raffles College was reopened in 1946, Mr Kiang was the only surviving member of the academic staff of the Chemistry Department. To resume teaching, the Department drew on the services of two Government chemists, Mr Moris Jamieson and Dr A Jackson. Lectures were conducted in the Bukit Timah Campus but laboratory classes had to be conducted in the Government laboratories in Sepoy Lines until 1948 when the old laboratories in the Bukit Timah Campus were sufficiently re-equipped. Much of the energy at that time was directed towards reconstructing the Department and the teaching of Chemistry.” Chem
- Source: Ang, Kok Peng. Chemistry - History and Development. In Bulletin of the Singapore National Institute of Chemistry, Vol. 6, 1978; p 9. [NUSL call no. QD1 SNC]*
- 1946** “Practical work during the year has been carried out in the Laboratories of the Chief Chemist, Singapore and of the College of Medicine with apparatus and reagents mainly obtained from these two sources. After some initial difficulty and delay while accommodation and materials were arranged for, the prescribed practical work for Raffles Students was able to be made available.” Chem
- Source: Raffles College. Annual Report, 1946/1947; p 11. [NUSL call no. LG399 RC.AR]*
- 1946** “The Physics Department re-opened, using laboratory and lecture accommodation in the College of Medicine, on 17th June, 1946 ...” Phy
- Source: King Edward VII College of Medicine, Singapore. Annual Report, 1946; p 5. [NUSL call no. LG399 KE.A]*
- 1947** “Shortly after the end of the year a Commission was established under the chairmanship of Sir Alexandra Carr-Saunders to enquire into and make recommendations concerning university education in Malaya. The Commission arrived in March 1947 ...” FOS
- Source: University of Singapore. General Information, 1970/1971; p 2. [NUSL call no LG399 SU.GI]*

- 1947-1949** "A Department of Pharmacy was set up within the Faculty of Medicine to run the pharmacy course." Pha
Source: Tan, Shook Fong. Pharmacy in Singapore: A Journey Through the Years, Ministry of Health: Singapore, 2002; p 37. [NUSL call no. RS 67.12 Pha 2002]
- 1947** "Although the war ended in 1945 it was only in 1947 when the chemistry laboratories were ready for use again." Chem
Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 3. [NUSL call no. LG399 NUSDC.D]
- 1947** "The Commission found the existing pharmacy course to be unsuitable for a University and recommended the extension of the diploma course to 2 years, with the possibility of a degree course being instituted at a latter date." Pha
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 12. [NUSL call no. LH7 PHA]
- 1948** "The Commission issued its report in February, 1948. It paid a handsome tribute to the academic achievements and status of the Colleges by stating that there was no need for the transitional stage of a University College and recommending that a University of Malaya, with full degree granting powers and with Faculties of Arts, Science and Medicine, should be created forthwith by the amalgamation of the two Colleges." FOS
Source: Raffles College. Annual Report, 1947/1948; pp 2-3. [NUSL call no. LG399 RC.AR]
- 1948** "First graduation ceremony, Raffles College at the Oei Tiong Ham Hall, October 1948." FOS
Source: Lim, Y. K. The Early Days: Reminiscences of an Academic. In Department of Physics, 1929-1989; National University of Singapore: Singapore; p 15. [NUSL call no. LG399 NUSDP.De]
- 1948** "Research in the Department [of Chemistry] was really initiated by Professor R. A. Robinson when he assumed the Chair in 1948, the year before the founding of the University of Malaya. Staff members were given every encouragement to do research; and the intake of the first batch of higher degree students began the following year." Chem
Source: Kiang, Ai Kim. Research programs in the Chemistry Department, University of Singapore. In Research Programs in Singapore: (Proceedings and Papers of a Seminar held under the Auspices of Nanyang University from 6 to 7 August 1969); Nanyang University: Singapore, 1970; p 71. [NUSL call no. Q180.12 Sem]

- 1949** “The Commission made an intensive study of the problem of higher education in Malaya, and recommended in their “Report On University Education, that the King Edward VII College of Medicine and Raffles College be amalgamated forthwith and formed into a University of Malaya, and that the University be moved to new buildings to be set up on a site in Johore as soon as possible. The report of the Commission was received in Malaya with acclamation, and after very full consideration by the legislatures, the necessary legislation was passed on 31st March 1949 in Singapore, and on 21st April 1949, in the Federation of Malaya, and the University of Malaya came legally into existence with the Rt. Hon. Malcolm MacDonald, P.C. as Chancellor, and Dr. G. V. Allen, C.B.E., as Vice-Chancellor. The King Edward VII College of Medicine will become the Faculty of Medicine and Raffles College will form the Faculties of Arts and Science.”
- “It is hoped that the University will eventually be unitary, completely residential and autonomous. At the moment it is physically divided, Biology, Physiology, Biochemistry, Anatomy and all clinical subjects being taught at the College of Medicine; and English, History, Geography, Economics, Mathematics, Physics and Chemistry, being taught at Raffles College.”
- Source: University of Malaya. Calendar, 1949/1950; p 21. [NUSL call no. LG396 MUC]*
- 1949** “Last Annual Reunion Dinner with Stamford Club on 4 May 1949, prior to the founding of the University of Malaya.”
- Source: National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore, 1993; p 26. [NUSL call no. LG399 RC.Ra]*
- 1949** “The second post-war Graduation Ceremony which was also the first combined graduation ceremony of the college of Medicine and Raffles College was held in Oei Tiong Ham Hall, Raffles College, at 3 p.m. on 29th June [1949].”
- Source: King Edward VII College of Medicine, Singapore. Annual Report, 1949; p 6. [NUSL call no. LG399 KE.A]*
- 1949** "In 1949, Raffles College and the King Edward VII College of Medicine were transformed into faculties of a newly inaugurated university [University of Malaya]. At long last a university empowered to confer degrees was in place."
- Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 79. [NUSL call no. LG399 NUS*Le]*

Milestones – University of Malaya (1949-1961)

- 1949** "The union of King Edward VII College of Medicine and Raffles College led to the founding of University of Malaya. With full-degree granting powers, the University was a beacon of knowledge that beamed across both sides of the Causeway."
Source: National University of Singapore. National University of Singapore Home Page. <http://www.nus.edu.sg/aboutus/milestones/1905.php> (Accessed Aug 2009) FOS
- 1949** "The University of Malaya was established on 8 October 1949, as a national institution to serve the higher educational needs of the Federation of Malaya and of Singapore."
Source: University of Malaya. Calendar, 1961/1962; p 5. [NUSL call no. LG396 MUC] FOS
- 1949** "The transition from Raffles College to University of Malaya was not reflected in any immediate drastic changes or innovations. But the gain in prestige was significant. The establishment of the University finally fulfilled the promise implied in the creation of Raffles College."
Source: University of Singapore. Campus News, No. 4, 1978; p 6. [NUSL call no. LG399 SU.CN] FOS
- 1949** "On its foundation in October 1949, the University inherited Faculties of Arts and Science from Raffles College, a Faculty of Medicine (including Dentistry and Pharmacy) from the King Edward VII College of Medicine, and a set of buildings from each of the Colleges. The Medical College had always been housed in buildings in the precincts of the Singapore General Hospital, while the Raffles College buildings had been erected some four miles away in a residential district to the north-west of Singapore. The University continued to use these two groups of buildings, and set about considering the move to Johore which the Carr-Saunders Commission had advised."
"It later became apparent that the expense of such a move would be prohibitive and the Johore proposal was abandoned in 1954. For ten years, the University, situated in Singapore, served the needs of both Singapore and the Federation of Malaya."
Source: University of Singapore. General Information, 1970/1971; p 2. [NUSL call no LG399 SU.GI] FOS

- 1949** "The University Entrance Examination is held annually in the month of June or July. This examination is held at the University and at convenient centres arranged throughout the Federation and at other places. Particulars of the 1950 examination will be issued early in Session 1949-50. In addition to the entrance examination all applicants are interviewed by a selection committee which meets each year at the University and also at various centres throughout the Federation."
Source: University of Malaya. Calendar, 1949/1950; p 81. [NUSL call no. LG396 MUC] FOS
- 1949** "The total number of students in the University during the year showed an increase of 185 over session 1949-50 representing an increase of about 29 per cent. This was the result mainly of a much larger intake to the Faculty of Arts and to the institution of a new course for a Diploma in Pharmacy. Members in the Faculty of Science and Medicine were also up on the previous year."
Source: University of Malaya. Annual Report, 1950/1951; p 71. [NUSL call no. LG396 MUAR] FOS
- 1949** "Developments that have been discussed by the Faculty include the possibility of incorporating anatomy, physiology and biochemistry as subjects for the science degree ..."
Source: University of Malaya. Annual Report, 1949/1950; p 9. [NUSL call no. LG396 MUAR] FOS
- 1949** "...Department of Botany [was] founded in 1949 ..."
Source: National University of Singapore. Faculty of Science. Department of Biological Sciences. In Faculty of Science, National University of Singapore, 1999; p 1. [NUSL call no. LG399 NUSFS.F] Bio
- 1949** "Courses of study in the Faculty of Science: [Botany was first recorded under the courses of study in the Faculty of Science]"
Source: University of Malaya. Calendar, 1949/1950; p 116. [NUSL call no. LG396 MUC] Bio
- 1949** "Part of the Japanese-built hut near House No.9 was equipped for use of a preliminary year class in Botany during the year. During the long vacation the remainder of the hut was fitted as a large elementary laboratory for first year medical students, and with additional accommodation for the Botany Department with a room also for the Professor of Zoology. A small garden for teaching and research purposes was established."
Source: University of Malaya. Annual Report, 1949/1950; p 33. [NUSL call no. LG396 MUAR] Bio

- 1949** "There was no honours course in mathematics until after the formation of the University of Malaya in 1949."
Source: Peng, Tsu Ann. A Brief History of the Department of Mathematics, 1989. National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/misc/History%20of%20Department.pdf> (Accessed Aug 2009)
- 1949** "In 1949 ... Many new physics subjects were gradually introduced for the Honours year. These included quantum mechanics, special relativity, nuclear physics, crystallography, electrodynamics and ionospheric physics."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 78. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1949** "At the beginning of the year the Department [of Physics] expanded into a temporary building in order to obtain space for an honours laboratory, offices and a larger elementary laboratory. The former elementary physics laboratory in the Manasseh Meyer Building and certain offices in the Arts Faculty Block were vacated at the same time. Owing to delay in conversion of the above-mentioned temporary building, however, certain classes were homeless for about a month in Michaelmas Term."
 "An experimental course, totaling over thirty experiments, was arranged for honours students, and the preliminary and intermediate courses were organized by extending and largely re-equipping, with apparatus made in the departmental workshop, the former first year laboratory course. A new edition of the laboratory notes is in the course of publication. The basement stores in the Science Building were air-conditioned, and the workshop transferred into the largest of them, the noise of machinery, etc. thereby being reduced and better conditions secured for a staff and machinery."
Source: University of Malaya. Annual Report, 1949/1950; p 54. [NUSL call no. LG396 MUAR]
- 1950s** "The Science Faculty badly needed more space, laboratories and apparatus ... Chemistry and Physics were also ill-accommodated."
*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 94. [NUSL call no. LG399 NUS*Le]*
- 1950s-1960s** "In the 50's and 60's, the Department [of Zoology] also offered a teaching programme for pre-medical, pre-dental and pre-pharmacy students."
Source: National University of Singapore. Department of Zoology. NUS Zoology 40th Anniversary 1950-1990, [1990]; p 5. [NUSL call no. LG399 NUSDZ.N]

Math

Phy

Phy

FOS
Chem
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Bio

- 1950** “The Board of studies was constituted by resolution of the University Senate on 8th February, 1950 with the following terms of reference:- To consider the recommendations of the Carr-Saunders Report in relation to the establishment of a department of Geology and to make proposals to the Senate for the setting up of such a department, such proposals to include staffing, costs, the general form such a department should take, and its scope. The Board recommended that a Department of Geology be created to provide courses up to pass degree standard for the degree of Bachelor of Science.”
Source: University of Malaya. Annual Report, 1949/1950; pp 16-17. [NUSL call no. LG396 MUAR]
- 1950** “This year the intake of students to Science ... and Pharmacy had to be limited because of the shortage of laboratory accommodation. The departments of Botany and Zoology are sharing one wooden building erected by the Japanese, and the Departments of Chemistry and Physics are overcrowded.”
Source: University of Malaya. Annual Report, 1950/1951; p 3. [NUSL call no. LG396 MUAR]
- 1950** “The science display organized by the Student Science Society was held in February [1950], and was pronounced a success. This has now become an important feature of the activities of the Society, and is fully supported by the Faculty.”
Source: University of Malaya. Annual Report, 1950/1951; p 13. [NUSL call no. LG396 MUAR]
- 1950** “University of Malaya awards its first degrees.”
*Source: Lim, Peter H.L.; Lam, Dana. The Heart Is Where It Is: The NUSS Story; Baker, Maurice, Ed.; National University of Singapore Society: Singapore, 1994; p 16. [NUSL call no. LG399 NUSS*L]*
- 1950** “It is also gratifying to record that honours graduates are returning to the University as candidates for higher degrees in Arts and Science.”
Source: University of Malaya. Annual Report, 1950/1951; p 1. [NUSL call no. LG396 MUAR]
- 1950** “The Department of Zoology was established in the University of Malaya in 1950, a year after the University’s founding.”
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 52. [NUSL call no. LG399 NUSFS.S]

- 1950** "Courses of study in the Faculty of Science: [Zoology was first recorded under the courses of study in the Faculty of Science]" Bio
Source: University of Malaya. Calendar, 1951/1952; p 138. [NUSL call no. LG396 MUC]
- 1950** "With the establishment of the departments of Botany and Zoology, the Department of Biology was converted into the Department of Parasitology ... All the materials and equipment used in the teaching of biology were transferred to the new departments of Botany and Zoology. The microscopes were divided between the Departments of Anatomy, Pharmacy, Parasitology, Botany and Zoology." Bio
Source: University of Malaya. Annual Report, 1949/1950; p 31. [NUSL call no. LG396 MUAR]
- 1950** "The first decade was spent on the development of sound teaching programmes in Botany and Zoology. Emphasis was placed on using local flora and fauna as examples in lectures and teaching materials in laboratory classes. The courses taught were the standard fundamentals of a typical biology course i.e. comprising taxonomy, anatomy, physiology, genetics and ecology."
 "From the early days, field study trips formed integral part of the Botany and Zoology courses. These trips, mostly to the beaches and forests in Malaya in those days, familiarised students with the rich diversity of the tropical flora and fauna and helped them understand the interactions of plants and animals in the various ecosystems."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 27. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1950** This newly created Department of Zoology has a very heavy burden to bear in the preparation of the teaching exhibits, and the accumulation of a teaching collection. The Department at present labours under the disadvantage of being unable to appoint laboratory assistants, and is greatly hindered by a lack of accommodation." Bio
Source: University of Malaya. Annual Report, 1950/1951; p 71. [NUSL call no. LG396 MUAR]
- 1950** "The Department [of Chemistry] has been recognized by the Royal Institute of Chemistry for the purpose of training candidates for admission to the Associateship." Chem
Source: University of Malaya. Annual Report, 1950/1951; p 29. [NUSL call no. LG396 MUAR]

- 1950** “During the year it was decided to start a statistical laboratory. A Board of Studies met to discuss this and it was agreed that it should be under the control of the Department of Mathematics.”
Source: University of Malaya. Annual Report, 1950/1951; pp 41-42. [NUSL call no. LG396 MUAR]
- 1950** “... The last course for the King Edward VII College of Medicine Diploma in Pharmacy was given during the session [1950/1951].”
Source: University of Malaya. Annual Report, 1950/1951; p 54. [NUSL call no. LG396 MUAR]
- 1950** “Regulations for a University Diploma in Pharmacy were approved, extending the old course from a one-year to two-year course to commence from October, 1950.”
Source: University of Malaya. Annual Report, 1949/1950; p 11. [NUSL call no. LG396 MUAR]
- 1950** “[Pharmacy]-The two-year diploma course was implemented in 1950 ... The first year subjects consisted of physics, chemistry, biology and zoology, followed in the second year with pharmaceutics, pharmaceutical chemistry, pharmacognosy, physiology and forensic pharmacy.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 12. [NUSL call no. LH7 PHA]
- 1951** “The Faculty has drawn up plans for expansion of laboratory facilities to accommodate an annual intake of up to 300 students in first year Science, Medicine, Dentistry, Pharmacy and, possibly, Engineering, should the results of the Entrance Examination lead to increased entries.”
Source: University of Malaya. Annual Report, 1951/1952; p 10. [NUSL call no. LG396 MUAR]
- 1951** “The department [of Botany] has been active in collecting plant material for the Colonial Products Research Council.”
Source: University of Malaya. Annual Report, 1951/1952; p 26. [NUSL call no. LG396 MUAR]
- 1951** “The department [of Zoology] has suffered during the year from the lack of separate laboratory for Final I students, a research laboratory where delicate apparatus can be maintained without danger of climatic damage, and from the lack of adequate store rooms.”
Source: University of Malaya. Annual Report, 1951/1952; p 59. [NUSL call no. LG396 MUAR]

- 1951** “Close contact has been maintained with the Government Medical Stores. Students now receive valuable training in manufacturing processes in the new Government laboratories during the vacations, and this department [of Pharmaceutics] offers analytical assistance and technical advice to the laboratories ... Members of the Department have taken an active part in developing local pharmaceutical affairs.” “Demonstrations of the work done in the Department have been given to pharmacists and members of the public.”
Source: University of Malaya. Annual Report, 1951/1952; p 46. [NUSL call no. LG396 MUAR] Pha
- 1951** “The Department [of Pharmaceutics] has also been actively concerned in the publication of the Malayan Pharmaceutical Journal – a periodical intended to provide information on the practice of pharmacy in this part of the world.”
Source: University of Malaya. Annual Report, 1951/1952; p 46. [NUSL call no. LG396 MUAR] Pha
- 1952** “There have been a number of changes in the regulations leading to a science degree designed to provide a wider choice of subjects studied for this degree. Philosophy has been introduced as a subject at Intermediate level with the possibility that in years to come it may extend to a full three-year degree course.”
Source: University of Malaya. Annual Report, 1952/1953; p 13. [NUSL call no. LG396 MUAR] FOS
- 1952** “The institution, at the beginning of the session, of teaching in Social Studies and Philosophy was fore-shadowed in last year’s report. Both have started well; in Social Studies various special courses, a special refresher course for social workers was organized in addition to the main Diploma course; in Philosophy the course proved popular and well-attended and following a decision to include Philosophy as a subject in the Science Faculty, a second lecturer is to be appointed.”
Source: University of Malaya. Annual Report, 1952/1953; p 2. [NUSL call no. LG396 MUAR] FOS
- 1952** “Pure Mathematics need not be taken except those students intending to proceed to second and third year courses in Physics or Chemistry ... Physiology has been introduced as a Post-Intermediate course and it is hoped that similar action will be taken with Biochemistry in the near future. Because of these changes, the Faculty has been extended to include Professor Lugg, Professor Glaser, Dr Hartland-Swann and the staff of the Physiology Department.”
Source: University of Malaya. Annual Report, 1952/1953; p 13. [NUSL call no. LG396 MUAR] FOS

- 1952** "The Science Society has instituted a publication known as the Science Journal."
Source: University of Malaya. Annual Report, 1952/1953; p 14. [NUSL call no. LG396 MUAR] FOS
- 1952** "For the first time, students have been examined for Zoology for the degree of B.Sc. (Pass)."
Source: University of Malaya. Annual Report, 1952/1953; p 71. [NUSL call no. LG396 MUAR] Bio
- 1952** "When Professor McOwan resigned in 1940, the chair for Professor of Chemistry was assumed by Dr P Purdie. Unfortunately this Professorship was short-lived as the onset of war in Malaya led to Professor Purdie's career in chemistry being terminated prematurely when he was called up for service. He was imprisoned by the Japanese and eventually died of amoebic dysentery in May 1943. In commemoration of Professor Purdie and four other chemists from the Government Analyst Department who succumbed during the war, the local section of the Royal Institute of Chemistry (RIC) instituted in 1952 a Memorial Medal in Chemistry to be awarded annually to an outstanding graduate in Chemistry. This award was superseded by the present Singapore National Institute of Chemistry (SNIC) Gold Medal when the RIC was dissolved in the early 1970's."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 39. [NUSL call no. LG399 Nusfs.Ol 2000] Chem
- 1952** "The Malayan Mathematical Society ... main activities are the arrangement of talks and discussions, the publication of a Bulletin and an annual Symposium."
Source: University of Malaya. Annual Report, 1952/1953; p 48. [NUSL call no. LG396 MUAR] Math
- 1953** "Further changes in regulations governing courses of study for various degrees were approved, the most important of these were: (3) introduction of Philosophy as a subject at intermediate level for the degree of B.A; (4) introduction of Applied Mathematics as a subsidiary subject for the degree of B.A; (5) the regulations for the preliminary examination for M.B., B.S., B.D.S. and the Diploma in Pharmacy have been amended by splitting Biology into the two subjects Botany and Zoology."
Source: University of Malaya. Annual Report, 1953/1954; p 11. [NUSL call no. LG396 MUAR] FOS
 Bio
 Pha

- 1953** "Physiology has been offered for the first time as a subject for the ordinary degree of B.Sc. in the Faculty of Science, but there were no students taking this course. It is expected that some Science students will take physiology during the 1954-55 session. The Department is now able to offer an honours B.Sc. course in physiology, and the Faculty of Science has agreed to include selected medical students in such a course when suitable candidates are available."
Source: University of Malaya. Annual Report, 1953/1954; p 72. [NUSL call no. LG396 MUAR] FOS
- 1953** "During the year the buildings which used to be the Federal Hostel was converted to chemical laboratories and was occupied in June 1953."
Source: University of Malaya. Annual Report, 1952/1953; p 31. [NUSL call no. LG396 MUAR] Chem
- 1953** "... Introduction of Applied Mathematics as a subsidiary subject for the degree of B.A ..."
Source: University of Malaya. Annual Report, 1953/1954; p 11. [NUSL call no. LG396 MUAR] Math
- 1953** "In 1953, the Lindsey-Kerr Commission recommended the introduction of a degree course in Pharmacy. The University Senate, recognizing the inadequacies of the two-year diploma course, approved the syllabus for the implementation of a three-year degree course ... Both diploma and degree courses were run concurrently until 1961 when the diploma course was phased out."
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 12. [NUSL call no. LH7 PHA] Pha
- 1954** "A record number of degrees was awarded on the examinations of 1954-55, and the numbers of students remaining to take honours courses or higher degrees showed a further large increase. It is indeed to be noted that a large number of Arts and Science students are anxious to stay after completing their pass degrees so as to take honours, and we appear to be moving into a stage in which the honours degree is the normal objective of the ordinary arts or science student."
Source: University of Malaya. Annual Report, 1954/1955; p 1. [NUSL call no. LG396 MUAR] FOS

- 1954** “Crossing over from Faculty of Science to Faculty of Engineering ... our first Professor of Engineering, the chair being filled by Professor C.A.M. Gray formerly of Sydney University. Although he arrived only in June, Professor Gray was able during the long vacation to complete his arrangements to take in first year Engineering students in 1955-56 and also to start second year teaching for students who had registered before in the Faculty of Science with the hope of taking Engineering after their first year of general science. We have thus established our second major professional school.”
Source: University of Malaya. Annual Report, 1954/1955; p 1. [NUSL call no. LG396 MUAR]
- 1954** “Elementary courses in French and German for science students will be introduced in session 1954-55. These will be designed to give science students a working knowledge of the language.”
Source: University of Malaya. Annual Report, 1953/1954; p 11. [NUSL call no. LG396 MUAR]
- 1954** “Academic developments – It was decided during the year to constitute Philosophy as a separate Department as from session 1954-55, recognizing the steady growth of the subject in both Arts and Science Faculties.”
Source: University of Malaya. Annual Report, 1953/1954; p 4. [NUSL call no. LG396 MUAR]
- 1954** “Students of the Faculty of Science are now taking Physiology as one of their subjects and this is the first time since the foundation of this Medical School that regular courses are given in the medical school to students reading for a B.Sc. Final arrangements have been made for an Honours B.Sc. course in Physiology, for which both medical and science students may qualify.”
Source: University of Malaya. Annual Report, 1954/1955; p 79. [NUSL call no. LG396 MUAR]
- 1955** “A major new development was the start of the Department of Engineering under the Science Faculty [was in 1955].”
*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 95. [NUSL call no. LG399 NUS*Le]*
- 1955** “Geology was another new department added to the Science Faculty in 1955/56. Professor C. S. Pichamuthu, formerly of Mysore University and director of the Mysore State Geological Department, was appointed to the chair.”
*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 95. [NUSL call no. LG399 NUS*Le]*

- 1955** "Consideration is being given to the introduction of a degree in Pharmacy, and to the transfer of the Department of Pharmaceutics from the Faculty of Medicine to the Faculty of Science for that purpose."
Source: University of Malaya. Annual Report, 1955/1956; p 17. [NUSL call no. LG396 MUAR] FOS
Pha
- 1955** "... In October 1955 the Board of the Institute [of Physics] agreed to recognize the Physics degrees of the University of Malaya as academic qualifications for membership of the Institute."
Source: University of Malaya. Annual Report, 1955/1956; p 90. [NUSL call no. LG396 MUAR] Phy
- 1956** "The honours degrees in Botany and in Zoology have been recognized by the Institute of Biology as qualifying for admission to membership of the Institute. The University of Malaya is the first university outside of Great Britain to receive such recognition."
Source: University of Malaya. Annual Report, 1956/1957; p 17. [NUSL call no. LG396 MUAR] Bio
- 1956** "In 1956, the Department [of Chemistry] collaborated with Smith, Kline and French Laboratories of Philadelphia in a systematic screening of Malayan and Singapore plants for the presence of alkaloids, and pharmacological evaluation, especially of effects on the central nervous system, of extracts of alkaloid containing plants."
*Source: Kiang, Ai Kim. An Historical Review of the Chemistry Department, University of Singapore, (1928-1966), [University of Singapore: Singapore, 1966]; p 4. [NUSL call no. LG399 SUC*Ki]* Chem
- 1957** "The expansion of the University since its foundation has been very rapid. In 1957, a Commission of Enquiry was set up by the Governments of the Federation and of Singapore at the request of the University 'to review the constitution, working and finances of the University in the light of the experience and rapid expansion of the last seven years and of the prospective expansion in the near future, including the plan for developing the University in Kuala Lumpur, and to make recommendations'."
Source: University of Malaya. Calendar, 1959/1960; p 69. [NUSL call no. LG396 MUC] FOS
- 1957** "As the student population grew, the University set up a new division in Kuala Lumpur in 1957."
Source: National University of Singapore. The NUS Story: 100 Years of Heritage; Quah, Marian, Ed.; NUS Museum, National University of Singapore: Singapore, 2006; p 8. [NUSL call no. LG399 NUS.NS] FOS

- 1957** “The degree course in Bachelor of Pharmacy began in 1957 when the Department [of Pharmaceutics] changed its name to the Department of Pharmacy at the University of Malaya in Singapore.”
Pha
Source: National University of Singapore. Faculty of Science. Department of Pharmacy. In Faculty of Science, National University of Singapore, 1999; p 1. [NUSL call no. LG399 NUSFS.F]
- 1959** “Arising from the Commission’s Report and resulting from the recommendation of a Joint Constitutional Committee appointed by the two Governments, legislation was passed in November 1958 providing for the continuance of the University of Malaya as a single University and the establishment of two largely autonomous divisions of equal status, one in each territory. This legislation came into effect on 15 January 1959.”
FOS
Source: University of Malaya. Calendar, 1959/1960; p 69. [NUSL call no. LG396 MUC]
- 1959** “One interesting feature of academic development is the provision of a pre-University course in the Singapore Division for Science students. Of the students who joined the pre-University course in 1956, 26 have passed and are now admitted into the first year of the science course.”
FOS
Source: University of Malaya. Annual Report, 1959/1960; p 3. [NUSL call no. LG396 MUAR]
- 1959** “Another major development was the introduction of the Honours course in 1959. The Honours course was to provide for the more able pharmacy graduates to pursue their studies on a more advanced level, and to enable them to proceed to higher degrees. The first Honours course was introduced in 1960 with 1 student.”
Pha
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 12. [NUSL call no. LH7 PHA]
- 1959** “... The Pharmacy Department has undergone several structural and administrative transformations accompanied by curriculum revision, modernization of facilities, and upgrading the course to a diploma course in 1935, to a degree course in 1957 and the introduction of honours degree in 1959.”
Pha
Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 67. [NUSL call no. LG399 NUSFS.F]

- 1960** “Between January 1959 and December 1961, the University’s constitution was amended in order that two largely autonomous divisions could be created, one in Singapore (the Singapore Division) and one in Kuala Lumpur (the Kuala Lumpur Division). These two divisions were subsequently reconstituted as two separate universities – the University of Singapore and the University of Malaya (established by Act in Kuala Lumpur).”
Source: University of Singapore. The University of Singapore; [University of Singapore: Singapore, 1980; p 7]. [NUSL call no. LG399 Su.Si]
- 1960** “In 1960 the Government of the Federation of Malaysia indicated its intention that the Kuala Lumpur Division of the University of Malaya should become an autonomous separate, national university in the Federation with effect from the beginning of the Session 1962-3. Likewise, the Singapore Government has indicated its intention that from the same date the Singapore Division should become a separate national university in Singapore.”
Source: University of Malaya. Calendar, 1961/1962; p 8. [NUSL call no. LG396 MUC]
- 1960** “The Senate appointed a Board of Studies to consider the establishment of a Department or Sub-Department of History of Science. The Report of the Board was submitted to the Senate in October 1960 and the Board’s recommendation that a Sub-Department in History of Science be established is being examined.”
Source: University of Malaya. Annual Report, 1960/1961; p 9. [NUSL call no. LG396 MUAR]
- 1960** “In June 1960 the Division began Pre-University classes in all Faculties of the Division for students from non-English schools.”
Source: University of Malaya. Annual Report, 1960/1961; p 10. [NUSL call no. LG396 MUAR]
- 1960** “Professor Kiang Ai Kim took over the Chair in 1960 and became the first local person in the history of the department to be both Professor and Head of Department.”
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 40. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1960** “Kiang Ai Kim ... eventually went on to distinguish himself as the first Singaporean to head the Chemistry Department of the University when he was appointed Professor in 1960.”
Source: University of Singapore. Gazette, Vol. 2, No. 10, 1971; p 4. [NUSL call no. LG399 Su.G]

- 1960** “The first Honours course, a two-subject course comprising pharmaceuticals and pharmaceutical chemistry is introduced [in 1960] and the Diploma course is phased out [in 1961].”
Source: Tan, Shook Fong. Pharmacy in Singapore: A Journey Through the Years, Ministry of Health: Singapore, 2002; p 15. [NUSL call no. RS 67.12 Pha 2002] Pha
- 1960** “A sub-department of the History of Science within the Department of Physics was projected to be [in the] charge of Dr Ho Peng Yoke.”
Source: University of Malaya. Annual Report, 1960/1961; p 33. [NUSL call no. LG396 MUAR] Phy
- 1961** “Lectures on French and German translation for Science students have been given throughout the year ... The administration of these courses has however been transferred from the Faculty of Science to the School of Education and will no longer be reported.”
Source: University of Singapore. Annual Report, 1961/1962; p 24. [NUSL call no. LG399 SU.R] FOS
- 1961** “The University of Malaya continued in existence in Singapore until 31 December 1961.”
Source: University of Singapore. The University of Singapore; [University of Singapore: Singapore, 1980; p 7]. [NUSL call no. LG399 Su.Si] FOS
- 1961** “The Department of Zoology had its humble beginning in huts in the Bukit Timah campus. Only in 1961, did it have a five-storey building of its own.”
Source: National University of Singapore. Department of Zoology. NUS Zoology 40th Anniversary 1950-1990, [1990]; p 4. [NUSL call no. LG399 NUSDZ.N] Bio
- 1961** “In response to the need of the first phase of Singapore’s industrialization, the Department in 1961 introduced a course in Applied Chemistry ...”
Source: National University of Singapore. Department of Chemistry. Chemistry, 1986; p 4. [NUSL call no. LG399 NUSDC.C] Chem
- 1961** “For two weeks in April 1961, the Department [of Chemistry] was a centre for an UNESCO Training Course in Phytochemistry which was attended by thirteen research workers from various in South-East Asia.”
*Source: Kiang, Ai Kim. An Historical Review of the Chemistry Department, University of Singapore, (1928-1966), [University of Singapore: Singapore, 1966]; p 5. [NUSL call no. LG399 SUC*Ki]* Chem
- 1961** “A two-year part-time evening course for the holders of the Diploma of Pharmacy of the University of Malaya was started from the beginning of the 1961 session. There are sixteen students attending this course.”
Source: University of Singapore. Annual Report, 1961/1962; p 96. [NUSL call no. LG399 SU.R] Pha

1962 “In 1962 these 2 divisions became separate national universities, the University of Singapore and the University of Malaya.” FOS

Source: National University of Singapore. Personnel Department, Administrative and Professional Staff Handbook, 1998; p 3. [NUSL call no LG399 NUS. Aps]

Milestones – Nanyang University (1955-1980)

- 1953** “On 20th February, 1953, the Committee met for the first time and the name of "NANYANG UNIVERSITY" was adopted.”
*Source: Nanyang University. Some Aspects of Nanyang University; Pub. by the University on the Occasion of the Singapore Constitution Exposition: [Singapore], 1959; p 1. [NUSL call no. LG399 NU*N]*
- 1955** “On 15th June 1955 University Preparatory Classes were started ...”
*Source: Nanyang University. Some Aspects of Nanyang University; Pub. by the University on the Occasion of the Singapore Constitution Exposition: [Singapore], 1959; p 2. [NUSL call no. LG399 NU*N]*
- 1956** “On 15th March, 1956, at 2.00 p.m., Nanyang University was inaugurated by Mr. Tan Lark Sye ...”
*Source: Nanyang University. Some Aspects of Nanyang University; Pub. by the University on the Occasion of the Singapore Constitution Exposition: [Singapore], 1959; p 2. [NUSL call no. LG399 NU*N]*
- 1956** “Nanyang University begins offering classes in March 1956”
Source: National University of Singapore. Transforming Lives: NUS Celebrates 100 Years of University Education in Singapore, 2005; p 45. [NUSL call no. LG399 NUS.Tr 2005]
- 1956** “Departments in the College of Science are mathematics, physics, chemistry and biology.”
“Admission requirements for first year degree courses are based on possession of the Government Higher School Certificate (Chinese) or its equivalent.”
“Courses leading to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of commerce are of four years duration. The pass degree is awarded on a credits system.”
Source: [Tan, Peng Boo.] Education in Singapore, 2nd ed.; Singapore: Educational Pub. Bureau, 1972; p 58. [NUSL call no. LA1239.2 Edu]
- 1956** “...For most of the time, in terms of student population, the department [of Chemistry] was the largest among all the Science departments and sometimes even the largest in the whole University.”
Source: Lee, Swee Yong. Chemical Education at Nanyang University. In Bulletin of the Singapore National Institute of Chemistry, Vol. 6, 1978; p 73. [NUSL call no. QD1 SNC]
- 1958** “Official inauguration of Nanyang University.”
Source: National University of Singapore. Transforming Lives: NUS Celebrates 100 Years of University Education in Singapore, 2005; p 48. [NUSL call no. LG399 NUS.Tr 2005]

- 1968** “Nanyang University degrees recognized as being on par with those of University of Singapore.”
Source: National University of Singapore. Transforming Lives: NUS Celebrates 100 Years of University Education in Singapore, 2005; p 58. [NUSL call no. LG399 NUS.Tr 2005]
- 1969** “In 1969, a computer centre [Lee Kong Chian Computer Centre] was set up ... Later it was separated to become a service centre for the whole university. In 1975 a Computer Science Department was established.”
Source: Nanyang University. Chronicle, Jul/Aug 1979; p 2. [NUSL call no. LG399 NU.CH]
- 1974** “Nanyang University and the University of Singapore established, in 1974, a common admission board to streamline the admission of students to first degree courses at the two universities.”
Source: Nanyang University. General Information, 1977/1978; p 12. [NUSL call no. LG399 NU.GI]
- 1975** “[The Department of Computer Science was formed in 1975]. The introduction of Computer Science for science undergraduates ... was very timely as the demand for computer scientists has suddenly increased and will continue to grow through the eighties owing to the national strategy to develop Singapore as a regional centre for computer software development and services.”
Source: Chan, Sing Hai; Chia, Lawrence; Tan, Bernard; Tan, Wee Hin. Review of Science Education at the University Level. In Proceedings of the Seminar on Science Education in Singapore, 1981; p 29. [NUSL call no. Q183.412 Sem]
- 1975** “Since 1975, the Faculty of Science of Nanyang University has established a special academic exchange programme with several French Universities. This exchange scheme receives financial support from the French embassy in Singapore.”
Source: Nanyang University. Chronicle, Mar/Apr 1979; p 2. [NUSL call no. LG399 NU.CH]
- 1978** “On 4 March 1978, a joint statement by the Nanyang University Council and the Council of University of Singapore (with support of the Ministry of Education and the Ministry of Defence) announced that agreement had been reached on measures to promote closer ties between the two Universities. The statement said that with effect from July 1978, University of Singapore’s Bukit Timah campus was to become a Joint Campus with courses common to the two Universities.”
*Source: Lee Boon Hiok. Planning and Management of the University of Singapore and Nanyang University Prior to Merger; Singapore: the Regional Institute of Higher Education and Development, 1983; p 56. [NUSL call no. LG399 SU*L]*

1978 “In the Faculty of Science, all courses available in the University of Singapore as well as Computer Science which was previously available in Nanyang University only, are offered to Joint Campus Science students.”

Source: Nanyang University. Chronicle, Jul/Aug 1978; p 1. [NUSL call no. LG399 NU.CH]

1980 “On 29 July 1980, Parliament approved the National University Bill, giving effect to the merger of the University of Singapore and Nanyang University and the formal establishment of the National University of Singapore.”

*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 187. [NUSL call no. LG399 NUS*Le]*

Milestones – University of Singapore (1962-1980)

- 1962** “The independence of Malaya in 1957 and internal self-government for Singapore in 1959 – led to the split of the University in 1962: the University of Malaya in Kuala Lumpur and the University of Singapore.” FOS
Source: National University of Singapore. The NUS Story: 100 Years of Heritage; Quah, Marian, Ed.; NUS Museum, National University of Singapore: Singapore, 2006; p 8. [NUSL call no. LG399 NUS.Ns 2006]
- 1962** “By Ordinance (No.30 of 1961) passed at a meeting of the Legislative Assembly of the State of Singapore on 16 December 1961 and assented to His Excellency the Yang di-Pertuan Negara on 19 December 1961, the University of Singapore was established on 1 January 1962.” FOS
Source: University of Singapore. Annual Report, 1961/1962; p 1. [NUSL call no. LG399 SU.R]
- 1962** “The installation of the first Chancellor of the University of Singapore, Dato Lee Kong Chian, S.P.M.J., S.J.M.K., J.P., LL.D., is scheduled to take place in June 1962.” FOS
Source: University of Singapore. Annual Report, 1961/1962; p 1. [NUSL call no. LG399 SU.R]
- 1962** “The Senate appointed a Board of Studies to consider the establishment of a Fisheries Biology Unit. In its report to the Senate the Board recommended the establishment of such a Unit as a sub-department within the Department of Zoology in the first instance and that in time it should develop into a full department of its own. The Unit would be primarily concerned with fishery research and in addition the Unit would also undertake teaching duties including the teaching of undergraduates and the supervision of post-graduate students. The recommendations of the Board were adopted by both the Senate and the Council.” Bio
Source: University of Singapore. Annual Report, 1961/1962; p 3. [NUSL call no. LG399 SU.R]
- 1964** “Two courses, the Certificate course in Fisheries Administration and the Diploma course in Fisheries, were conducted for the first time [in 1964-65].” Bio
Source: University of Singapore. Annual Report, 1964/1965; p 179. [NUSL call no. LG399 SU.R]

- 1964** “The Honours course in Applied Chemistry was started with six students, all of whom passed and formed the first batch of Honours graduates in Applied Chemistry. The students had each four to six weeks industrial training before the start of the course.”
Source: University of Singapore. Annual Report, 1964/1965; p 59. [NUSL call no. LG399 SU.R] Chem
- 1964** “The physics course content and structure underwent a drastic change during this period. In 1964, an additional subject was introduced for the third year students who henceforth had to read two subjects, i.e. Theoretical Physics and Experimental Physics, in order to qualify for the physics Honours course.”
Source: National University of Singapore. Department of Physics. Physics at the National University of Singapore, 1994; p 5. [NUSL call no. LG399 NUSDP.N] Phy
- 1965** “For the first time the honours course was divided into four sections each of which did a special subject for one day a week throughout the year. Four did entomology, five fisheries, two genetics, and four parasitology. The course has largely economic bias with emphasis on insects as pests or vectors of plant and animal pathogens.”
Source: University of Singapore. Annual Report, 1965/1966; p 163. [NUSL call no. LG399 SU.R] Bio
- 1965** “29th May 1965 – a significant date, for on that day the School of Pharmacy was inaugurated, superseding the Department of Pharmaceutics” “The school is now directly responsible to the Senate instead of the Faculty of Medicine and this newly-won independence is in accord with the growing stature of the profession and pharmaceutical research.”
Source: University of Singapore. Pharmaceutical Society. Pharmaceutica, 1966; p 12. [NUSL call no. LH7 PHA] Pha
- 1965** [In 1965, Prof Lee Soo Ying commended] the NUS Pharmaceutical Society and its official journal “Pharmaceutica” for the effort in linking up the past and present students and keeping each other informed of the developments in the Department of Pharmacy and the real world of practicing pharmacists.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 1996/1997; p 5. [NUSL call no. LH7 PHA] Pha

- 1966** "The new Science buildings consisting of (1) the Science Tower, occupied by the Department of Chemistry and the Department of Business Administration, (2) the extension to the Physics Building, providing teaching and research laboratories to meet the increased student numbers in Physics, and (3) the new Lecture Theatre No. 1 which can accommodate 300 persons were declared open by the Prime Minister, Mr. Lee Kuan Yew, on 1 July 1966."
Source: University of Singapore. Annual Report, 1966/1967; p 27. [NUSL call no. LG399 SU.R]
- FOS
- 1966** "The opening of the Science Tower marked an important stage in the development of teaching and research in Science in this University ... It provides physical evidence of the shift in the emphasis towards teaching and research in Science and Technology in the University. This shift in emphasis is further supported by the rapid increase in student enrolment in the Science Faculty, which has grown ten times since the foundation of the University in 1949. During this period, the graduate output of honours Science graduates has increased almost fifteen times and that of pass degree graduates about fourteen times."
Source: University of Singapore. Souvenir for opening of Science Tower and Science & Photographic Exhibition; Science Society, University of Singapore: Singapore, 1966; p [5]. [NUSL call no. LG399 SUS.S]
- FOS
- 1966** "Starting from the 1966/67 session the Department [of Chemistry] was also not required to run a service course for the pre-dental and pre-medical students. This relieved the heavy demand for teaching laboratories."
Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 4. [NUSL call no. LG399 NUSDC.D]
- Chem
- 1967** "During the year [1967-1968] both the one-year postgraduate diploma course in Fisheries and the one-term certificate course in Fisheries Administration for serving Fisheries Officers were conducted, in addition to the course in marine ecology given to the honours students."
Source: University of Singapore. Annual Report, 1967/1968; p 121. [NUSL call no. LG399 SU.R]
- Bio

- 1968** “Details have been worked out for a revision in the course structure for the Bachelor of Arts and Bachelor Science degrees ... The new degree structures will provide students with a more liberal education. In future, a general degree will be awarded after three years’ study, during which students reading for the B.A. degree will be required to take a compulsory general science subject, especially designed to give them a background knowledge to the appreciation of scientific thoughts and methods. Similarly Science students must read a subject entitled “Man and Society in Southeast Asia”, especially designed by the Faculty of Arts and Social Sciences.”
Source: University of Singapore. Annual Report, 1968/1969; p 2. [NUSL call no. LG399 SU.R]
- FOS
- 1968** “In the session 1968/69 a considerable amount of time and thought was given by Faculty members to the revision of the course and degrees structures. It was finally decided that in the following session, all new students will be admitted to Year I. There will be no more direct entry to Year II of the B.Sc. course. The B.Sc. Final degree course will be of three years duration and selected students will be admitted to a fourth year honour’s degree course.”
Source: University of Singapore. Annual Report, 1968/1969; p 14. [NUSL call no. LG399 SU.R]
- FOS
- 1968** “The [Regional Marine Biological] Centre maintained an international reference collection of marine biological materials, particularly zooplankton, an important food resource for Fisheries. It provided training and research facilities for students and scientists. The RMBC ceased operation in 1978.”
Source: National University of Singapore. Department of Zoology. NUS Zoology 40th Anniversary 1950-1990, [1990]; p 5. [NUSL call no. LG399 NUSDZ.N]
- Bio
- 1968** “A Committee for the co-ordination of teaching of biological subjects and for the development of a School of Biological Sciences was formed. The separate subjects Anatomy, Biochemistry, Botany, Physiology and Zoology will be integrated into two subjects Biology A and Biology B, the former dealing mainly with the descriptive, taxonomical and ecological aspects while the latter, the biochemical and physiological aspects of biology.”
Source: University of Singapore. Annual Report, 1968/1969; p 14. [NUSL call no. LG399 SU.R]
- Bio

- 1968** "Research and training in Fisheries was also provided by the setting up of the Regional Marine Biological Centre, RMBC (1968-1978) under an agreement with UNESCO and the Singapore government."
Bio
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 29. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1969** "[In 1969,] The Faculty started courses under the new degree structure which included the integration of biological subjects into Biology A and Biology B. The Faculty's courses for Arts and Social Sciences and for Science students were not well received by the students. The main cause of dissatisfaction was a lack of integration of the different topics which were given by various lecturers. Tutorials helped to alleviate the problems slightly."
Bio
Source: University of Singapore. Annual Report, 1969/1970; p 11. [NUSL call no. LG399 SU.R]
- 1969** "With the introduction of Biology A and Biology B, the departments had to adjust to co-teaching, not only between the two departments, but also amongst the participating para-clinical departments."
Bio
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 29. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1969** "From this past year's experience a new syllabus has been designed for the session 1970/71 when first year Arts and Social Sciences students will be given a course in the physical sciences based mainly on energy and second year students a course in the biological sciences with emphasis on human biology. The Science students will be required to attend a course in English Language and Logic in the first year followed by a two-year specially designed course in either Economics, Chinese Studies, History or Geography."
FOS
Source: University of Singapore. Annual Report, 1969/1970; p 11. [NUSL call no. LG399 SU.R]
- 1970s** "... In the 1970's ... courses in numerical analysis and operational research were introduced and these courses were soon to gain more popularity with the students than the traditional courses in applied mathematics which had been taught since the days of Raffles College."
Math
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 36. [NUSL call no. LG399 NUSFS.S]

- 1970** "The degree course in the School of Pharmacy has been restructured and the degree of Bachelor of Science (Pharmacy) instead of the previous degree of Bachelor of Pharmacy, will be awarded for the first time to graduates of 1972. It is hoped that with the new degree, prospective employers would be able to assess the qualities of our graduates and their potentials more accurately."
Source: University of Singapore. Annual Report, 1970/1971; p 2. [NUSL call no. LG399 SU.R] Pha
- 1971** "Biological Sciences Society became an independent society on the 30th of March, 1971 although we had been functioning since 1967. Through all these years, we have, besides representing the interests of the students, attempted to foster closer ties between the lecturers and the students as well as to inculcate greater awareness in Biology by organising activities such as trips and hikes."
*Source: National University of Singapore. Department of Biological Sciences. Biological Sciences Society Home Page.
<http://staff.science.nus.edu.sg/~sivasothi/articles/mudskipper/text/006.htm>
(Accessed Aug 2009)* Bio
- 1971** "Since 1971, NUS Chemical Sciences Society has been actively involved in promoting the study of Pure and Applied Chemistry under the Department of Chemistry. Over the years, we have grown under the management of an annually elected ten-member student executive committee to become one of the larger academic-related societies in the Faculty of Science."
*Source: National University of Singapore. Department of Chemistry. Chemical Sciences Society Home Page.
<http://www.chemistry.nus.edu.sg/undergraduates/CSS/About%20us.htm>
(Accessed Aug 2009)* Chem
- 1971** "Earlier in the year the Ministry of Health, which had given the School of Pharmacy the use of the former Tropical Research Buildings on a ten-year lease in 1970, indicated that it required these buildings for its own development programme. Consequently alternative plans to accommodate the Pharmaceutics Laboratories in a new Nissen Hut located in McAlister Road were prepared ..."
Source: University of Singapore. Annual Report, 1971/1972; p 33. [NUSL call no. LG399 SU.R] Pha

- 1972** “When the National Museum became the museum of archaeology, ethnology and history in 1972, the zoological specimens together with the zoology reference books of the museum were transferred to the University of Singapore ... This is a priceless collection of animal specimens of all phyla collected since 1862.” Bio
- Source: National University of Singapore. Department of Zoology. Department of Zoology: National University of Singapore: Republic of Singapore, 1998; p 10. [NUSL call no. LG399 NUS.DZ]*
- 1972** “... The course in Biological Sciences to second year Arts/Social Science students were conducted by Anatomy, Botany and Zoological departments combined.” Bio
- Source: University of Singapore. Annual Report, 1972/1973; p 36. [NUSL call no. LG399 SU.R]*
- 1972** “Chemistry, Mathematics and Physics departments continue to give courses in their respective fields to students in the Engineering Faculty.” Chem
Math
Phy
- Source: University of Singapore. Annual Report, 1972/1973; p 36. [NUSL call no. LG399 SU.R]*
- 1972** “For Mathematics students in the honours year, a course in Operational Research was introduced.” Math
- Source: University of Singapore. Annual Report, 1972/1973; p 36. [NUSL call no. LG399 SU.R]*
- 1972** “... The degree of Bachelor of Science (Pharmacy) ... awarded for the first time to graduates of 1972.” Pha
- Source: University of Singapore. Annual Report, 1970/1971; p 2. [NUSL call no. LG399 SU.R]*
- 1972** “... The pharmaceuticals laboratories and pharmacognosy laboratories [was transferred] to the newly constructed Romney Hut ... towards the end of the long vacation. The transfer to the microbiological laboratories to the Main Faculty Building has also been effected.” Pha
- Source: University of Singapore. Annual Report, 1972/1973; p 38. [NUSL call no. LG399 SU.R]*
- 1972** “The Physics department also continues to conduct a course in Physical Science to first year students of the Arts/Social Sciences Faculty ...” Phy
- Source: University of Singapore. Annual Report, 1972/1973; p 36. [NUSL call no. LG399 SU.R]*

- 1973** "The Fisheries Biology Unit ... Diploma course, suspended in 1973-4 ..."
Source: University of Singapore. Annual Report, 1975/1976; p 4. [NUSL call no. LG399 SU.R] Bio
- 1973** "In 1973, the courses were further revised and restructured and the syllabi for all the four years were expanded. Theoretical Physics and Experimental Physics were renamed Physics and Applied Physics respectively. The reading of these two subjects was made mandatory for both second and third year students who wished to major in Honours physics. The revision was made to give a broader education in physics as well as to provide students with training relevant to local industries."
Source: National University of Singapore. Department of Physics. Physics at the National University of Singapore, 1994; p 5. [NUSL call no. LG399 NUSDP.N] Phy
- 1974** "In the meantime, Nanyang University, a privately funded Chinese-medium university, began functioning in 1956. Its degrees were accorded recognition by the Government in 1968, and in 1974, a common admissions board was established by the University of Singapore and Nanyang University."
Source: National University of Singapore. NUS: To Meet the Challenges of A Developed Nation: 90th Anniversary, 1905-1995, 1995; p 5. [NUSL call no. LG399 NUS.Ns] FOS
- 1974** "Although [the] chemistry laboratories have been divided into the traditional categories of inorganic, organic and physical Chemistry, a separate section – Analytical Chemistry was introduced in 1974. This again arose as a result of recognizing the growing demand for analytical and quality control work."
Source: Ang, K. P.; Chia, Lawrence H. L. Chemical Education at the University of Singapore. In Bulletin of the Singapore National Institute of Chemistry, Vol. 6, 1978; p 80. [NUSL call no. QD1 SNC] Chem
- 1974** "Beginning in the academic year 1974-5, a new first year subject in Mathematics has been introduced in the Faculty of Science to replace the two subjects – Pure and Applied Mathematics."
Source: University of Singapore. Annual Report, 1974/1975; p 3. [NUSL call no. LG399 SU.R] Math

- 1974** “A new Mathematical Laboratory was set up and equipped with electronic calculating machines This was due to changes in the Mathematical syllabus and the introduction of Practical Statistics into Year I Mathematics course. This single subject Mathematics course in Year I replaced the former Pure and Applied Mathematics courses.”
Source: University of Singapore. Annual Report, 1974/1975; p 49. [NUSL call no. LG399 SU.R] Math
- 1974** "With effect from the academic year 1974-5, the School of Pharmacy has been re-established as a department in the Faculty of Science."
Source: University of Singapore. Annual Report, 1974/1975; p 3. [NUSL call no. LG399 SU.R] Pha
- 1974** “Beginning in the academic year 1974-5, student reading for a higher degree in Pharmacy are admitted as candidates for the degree of Master of Science (Pharmacy) instead of the degree of Master of Pharmacy.”
Source: University of Singapore. Annual Report, 1974/1975; p 3. [NUSL call no. LG399 SU.R] Pha
- 1974** “... Students intending to read Pharmacy will be registered as students in the Faculty of Science. In the first year, they read three Science subjects – Chemistry, Biology B and Pure Mathematics or Biology A or Physics and a compulsory Arts/Social Sciences subject. In the second and third years, they will read core subjects including Pharmacology, Pharmaceutics, Pharmaceutical Analysis in Pharmacy and Physiology. The degree awarded is the degree of Bachelor of Science (Pharmacy). A forth year honours course leading to the degree of B.Sc. (Pharm.) with honours is available.”
Source: University of Singapore. Annual Report, 1974/1975; p 3. [NUSL call no. LG399 SU.R] Pha
- 1975** “The Fisheries Biology Unit, established as a sub-department within the Department of Zoology in April 1962, has been closed.”
Source: University of Singapore. Annual Report, 1975/1976; p 4. [NUSL call no. LG399 SU.R] Bio
- 1975** “A new department of Chemical Engineering was established in April 1975 in the Faculty of Science. The four-year course in Chemical Engineering will replace the existing course in Applied Chemistry which will be conducted for the last time in the academic year 1976-7. This new course will lead to the degree of Bachelor of Science (Chemical Engineering). It is designed to provide skilled manpower for the proposed petro-chemical complex and to meet the anticipated demand for more chemical engineers by oil refineries in Singapore.” Chem

Source: University of Singapore. Annual Report, 1975/1976; p 3. [NUSL call no. LG399 SU.R]

- 1975** “There were some changes in the Mathematics courses, where Mathematics A and Mathematics B were introduced to second year students, instead of the former Pure and Applied Mathematics courses [in 1975-76].”
Source: University of Singapore. Annual Report, 1975/1976; p 52. [NUSL call no. LG399 SU.R] Math
- 1975** “From this session [1975-76] onwards, students reading Pharmacy were admitted into their second year after completing and passing the first year science course.”
Source: University of Singapore. Annual Report, 1975/1976; p 52. [NUSL call no. LG399 SU.R] Pha
- 1975** “Courses in Chemical Engineering for first and second years were introduced for the first time. From this session onwards, students reading Pharmacy were admitted into their second year after completing and passing the first year science course.”
Source: University of Singapore. Annual Report, 1975/1976; p 52. [NUSL call no. LG399 SU.R] Pha
- 1975** “70 years of medical education Singapore exhibition [on] 2nd – 3rd August, 1975 - The exhibition was organized by the Medical Faculty to commemorate its 70th anniversary. The objective of the pharmacy exhibits was to highlight a few of the many pharmaceutical problems which are often encountered.”
Source: University of Singapore. Pharmaceutical Society. Pharmaceutica, 1975/1976; p 46. [NUSL call no. LH7 PHA] Pha
- 1976** “The Applied Chemistry course was conducted for the last time while courses in Chemical Engineering for the third year were introduced for the first time.”
Source: University of Singapore. Annual Report, 1976/1977; p 48. [NUSL call no. LG399 SU.R] Chem
- 1976** “The Pharmacy curriculum was revised to include Anatomy and Pathology as new courses in Year II and Year IV respectively.”
Source: University of Singapore. Annual Report, 1976/1977; p 49. [NUSL call no. LG399 SU.R] Pha
- 1977** “Economics was offered this year as a first year subject for Science students [in 1977] ...” FOS

Source: University of Singapore. Annual Report, 1977/1978; p 48. [NUSL call no. LG399 SU.R]

- 1977** “... A microbiology course was introduced as part of the second-year Biology B subject [in 1977].” Bio
Source: University of Singapore. Annual Report, 1977/1978; p 48. [NUSL call no. LG399 SU.R]
- 1978** “Members of the Faculty helped to conduct the training courses organized by the Singapore Science Centre, the Ministry of Education and the Timber Industry Board. Training was also offered to overseas participants under an Asean Training Scheme and a UNESCO Regional Network for Microbiology.” FOS
Source: University of Singapore. Annual Report, 1978/1979; p 60. [NUSL call no. LG399 SU.R]
- 1978** “Computer Programming and Application was introduced as a one-year course for the first- and second-year students.” FOS
Source: University of Singapore. Annual Report, 1979/1980; p 65. [NUSL call no. LG399 SU.R]
- 1979** “A new course, Environmental Biology, was introduced as a second-year unit under Biology B.” Bio
Source: University of Singapore. Annual Report, 1979/1980; p 65. [NUSL call no. LG399 SU.R]
- 1980** “The Department of Chemical Engineering was transferred to the Faculty of Engineering [in 1980] ...” FOS
Source: University of Singapore. Annual Report; 1979/1980; p 65. [NUSL call no. LG399 SU.R]
- 1980** “The Nanyang University which was formed in 1956 also had a major Department of Chemistry. Professor Kiang Ai Kim came out of his retirement from the University of Singapore and took over the headship. Professor Kiang remained as head until the merger of the University of Singapore and Nanyang University to form the National University of Singapore.” Chem
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 43. [NUSL call no. LG399 Nusfs.O1 2000]

Milestones – Joint Campus of University of Singapore and Nanyang University (1978-1980)

1978 "The Joint Campus scheme, incorporating staff and first-year students of Nanyang University and Singapore University Faculties of Arts and Social Sciences, Science, and the School of Accountancy and Business Administration, came into effect on [3] July [1978] at the University of Singapore's Bukit Timah campus."

"The Joint Campus Scheme (JCS) has common admission requirements, common courses and examinations for students from both universities."

"The scheme is intended as an interim measure necessary in the growth of the two institutions; the ultimate goal being, in the words of the Prime Minister in a speech to the Historical Society of Nanyang University in February, 'two universities, one at Kent Ridge, the other at Jurong competing with and complementing each other'. The objective of equal partnership and the disbanding of the Joint Campus is seen as realisable several years from now."

Source: University of Singapore. Campus News, No. 14, 1978; p 1. [NUSL call no. LG399 SU.CN]

1978 "The Joint Campus at Bukit Timah went into smooth operation with the commencement of the new academic year on 3 July 1978. A total of 587 first year Nantah's students have been offered admission to the Joint Campus, 59% from the Chinese stream and 41% from the English stream. To date, 500 have enrolled for courses, 169 in the Arts Faculty, 197 in Science, 97 in Business Administration and 47 in Accountancy. These students will take common courses, attend common lectures and sit common examinations at the Joint Campus."

Source: Nanyang University. Chronicle, Jul/Aug 1978; p 1. [NUSL call no. LG399 NU.CH]

1979 "In October 1979 Sir Frederick Dainton, Chancellor of Sheffield University, visited Singapore at the invitation of the Singapore Government. He held discussions with the principal officers and senior academics of the University of Singapore and Nanyang University. In December he submitted his report which recommended that Singapore should have a single, strong university at Kent Ridge."

Source: National University of Singapore. General Information, 1989-90; p 4. [NUSL call no. LG399 NUS.GI]

1980 “On 29 July 1980, Parliament approved the National University Bill, giving effect to the merger of the University of Singapore and Nanyang University and the formal establishment of the National University of Singapore.”

*Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 187. [NUSL call no. LG399 NUS*Le]*

1980 “The merger of the two universities – the University of Singapore and the Nanyang University was given legal effect with the passing of the National University of Singapore Act in July 1980.”

Source: National University of Singapore. Annual Report, 1980/1981; p 1. [NUSL call no. LG399 NUS.AR]

Milestones – National University of Singapore (1980-2017)

- 1980** “After much public debate, the Government’s decision in April 1980 to merge the University of Singapore and Nanyang Singapore to form the National University of Singapore was received with overwhelming support. The National University became a legal entity on 8 August 1980. Operationally, however, it began on 7 July 1980.” FOS
Source: National University of Singapore. General Information, 1989/1990; p 4. [NUSL call no. LG399 NUS.GI]
- 1980** "President Benjamin Sheares, President of the Republic of Singapore, became the University's first Chancellor ..." FOS
Source: National University of Singapore Home Page. <http://www.nus.edu.sg/aboutus/milestones/1905.php> (Accessed Aug 2009)
- 1980** “... University’s first Vice-Chancellor, Dr Tony Tan Keng Yam [the Minister of Education concurrently] ...” FOS
Source: National University of Singapore. Annual Report, 1980/1981; p 1. [NUSL call no. LG399 NUS.AR]
- 1980** “The National University of Singapore at present [1980] functions in three campuses, Kent Ridge, Bukit Timah and Sepoy Lines. Eventually the entire University will be located at Kent Ridge.” FOS
Source: National University of Singapore. Campus News, No. 1, 1980; p 1. [NUSL call no. LG399 NUS.CN]
- 1980** “With the formation of the National University of Singapore, Nanyang University and the University of Singapore will hold their convocations for the last time this year. Students of both these universities who continue their courses of study and research in the National University of Singapore will be graduates of NUS upon successful completion of their courses of study” “Nanyang’s last convocation will be held on Saturday, 16 August at 10 am in the Nanyang University auditorium.” “The University of Singapore will hold six convocations on 5, 6 and 7 September at the Singapore Conference Hall” FOS
Source: National University of Singapore. Campus News, No. 1, 1980; p 10. [NUSL call no. LG399 NUS.CN]

- 1980** "The Science Club was established in the year 1980 with purpose in mind. Not only did its genesis coincide with the inauguration of the National University of Singapore but it was also to help house the faculty in her new environment."
Source: National University of Singapore. Science Club. In Contact: A Science Club Publication, 1989; p [5]. [NUSL call no. LH7 IC] FOS
- 1980** "The introduction of Computer Science for science undergraduates in 1975 at the then Nanyang University was very timely as the demand for computer scientists has suddenly increased and will continue to grow through the eighties owing to the national strategy to develop Singapore as a regional centre for computer software development and services."
Source: Chan, Sing Hai; Chia, Lawrence; Tan, Bernard; Tan, Wee Hin. Review of Science Education at the University Level. In Proceedings of the Seminar on Science Education in Singapore, 1981; p 29. [NUSL call no. Q183.412 Sem] DISCS
- 1980** "When the two universities merged in 1980, the Department [of Information Systems and Computer Science] moved from Bukit Timah campus to Kent Ridge and became part of the NUS Science Faculty."
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 33. [NUSL call no. LG399 NUSFS.S] DISCS
- 1980** "General Mathematics, a special course for students who do not plan to become mathematicians was introduced and is intended for those who wish to use mathematics in their subjects of specialization."
Source: National University of Singapore. Annual Report, 1980/1981; p 88. [NUSL call no. LG399 NUS.AR] Math
- 1980** "In 1980, the University of Singapore and Nanyang University merged to form the National University of Singapore. The physics departments in the two universities were fully integrated. The integrated department shifted from Bukit Timah to the new joint campus in Kent Ridge in 1981."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 79. [NUSL call no. LG399 Nusfs.Ol 2000] Phy
- 1981** "... Planning and construction of a completely new campus had begun in the late 1970s and in June 1981 the Science Faculty moved to Kent Ridge."
Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 5. [NUSL call no. LG399 NUSDC.D] FOS

- 1981** "The Science Faculty of the National University of Singapore has moved into the new Bio-Science Complex at Kent Ridge, which was built at a cost of \$47 million. The new 15-building complex will house the departments of chemistry, computer science, mathematics, pharmacy, botany, physics and zoology. Some \$35 million of the total cost has been spent on the science departments."
Source: Business Times, 7 Jul, 1981; p 15. FOS
- 1981** "Nearly 2,000 science undergraduates and lecturers started the academic term yesterday at their faculty's new home, the bio-science complex at Kent Ridge campus."
Source: The Straits Times, 7 Jul, 1981; p 7. FOS
- 1981** "The very first convocation of the University since the merger was held in the two weekends of 4-6 September and 11-13 September at the Singapore Conference Hall ... Science graduates at the first convocation ceremony."
Source: National University of Singapore. Campus News, No. 8, 1981; p 7. [NUSL call no. LG399 NUS.CN] FOS
- 1981** "The first issue of the Bulletin of the Faculty of Science was published in July [1981] ..."
Source: National University of Singapore. Annual Report, 1981/1982; p 96. [NUSL call no. LG399 NUS.AR] FOS
- 1981** "In June 1981, the Department of Chemistry moved to its present site in Kent Ridge and this began a period of rapid growth with recruitment of new staff and purchase of new equipment."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 44. [NUSL call no. LG399 Nusfs.Ol 2000] Chem
- 1981** "In 1981, the Department of Pharmacy shifted to its new premises in the Kent Ridge Campus. A sparkling new 5-storey building S4 was assigned to Pharmacy."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 73. [NUSL call no. LG399 Nusfs.Ol 2000] Pha
- 1982** "The Medical Library at Kent Ridge originally planned for both faculties of Science and Medicine, is now exclusively for the later. The Science Faculty will have its own library."
Source: National University of Singapore. Campus News, No. 12, 1982; p 16. [NUSL call no. LG399 NUS.CN] FOS

- 1982** "When the new academic year starts this year, a "Direct Honours" course will be introduced in parallel to the existing honours degree course in the Faculty of Arts and Social Sciences and Faculty of Science." FOS
- "The course will be available to outstanding students in these two Faculties who will be awarded an honours degree after three years of study. This means a saving of one year for the degree. The objective of the direct honours course is to identify outstanding students in the two Faculties and give them special training through personal and in-depth tuition and thus enable them to develop their intellectual potentialities to the full."
- Source: National University of Singapore. Campus News, No. 11, 1982; p 1. [NUSL call no. LG399 NUS.CN]*
- 1982** "The Human Resource Management course, was first offered in the 1982-83 session to the honours year students from the Arts and Social Sciences and Science Faculties." FOS
- Source: National University of Singapore. Annual Report, 1983/1984; p 4. [NUSL call no. LG399 NUS.AR]*
- 1982** "The Structure for courses in the Biological Sciences was reviewed. New subjects in Biochemistry, Physiology and Microbiology will be introduced from the academic year 1982-3." Bio
- Source: National University of Singapore. Annual Report, 1981/1982; p 95. [NUSL call no. LG399 NUS.AR]*
- 1982** "The para-medical departments withdrew from the teaching of Biology B in 1982. In place, Botany and Zoology beefed up Biology B with new emphases such as Developmental Biology, Animal Behaviour, Plant Biochemistry, Comparative Biochemistry, and Cell & Molecular biology. Biology A was reviewed to include emphases on experimental plant and animal biology, and project work that involved student presentations." Bio
- "In addition to the Botany and Zoology Honours programme, a Direct Honours programme was introduced to enable bright students to complete the Honours programme in three instead of the normal four-year duration."
- Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 32. [NUSL call no. LG399 Nusfs.Ol 2000]*
- 1982** "Zoolympics is [the] department's most important annual social/sporting function ... Zoolympics dates back to the 1982/83 academic year. It was a time when much stress was put on the body-beautiful and health concept." Bio
- Source: National University of Singapore. Department of Zoology. NUS Zoology 40th Anniversary 1950-1990, [1990]; p 25. [NUSL call no. LG399 NUSDZ.N]*

- 1982** “Chemistry B (a third year subject in industrial and applied chemistry) was introduced. Biochemistry and Physiology were introduced as new subjects from the second year.” Chem
- Source: National University of Singapore. Annual Report, 1982/1983; p 106. [NUSL call no. LG399 NUS.AR]*
- 1982** “A new class for the Diploma course in Computer Science for graduate teachers was started in January 1982.” DISCS
- Source: National University of Singapore. Annual Report, 1981/1982; p 96. [NUSL call no. LG399 NUS.AR]*
- 1983** “The third phase of the development of the Kent Ridge campus has been underway since 1980; there have been extensions to or developments of buildings for Architecture, Engineering, the Bio-Sciences Complex, the Central Library ... Plans are now in hand for more development of the site. Lower Kent Ridge Road has been re-routed to provide space for new teaching blocks for Physics, Mathematics, & Computer Science; new blocks will also be constructed for Botany, Zoology and Chemistry and for the Science Library.” FOS
- Source: National University of Singapore. Campus News, No. 17, 1983; p 1. [NUSL call no. LG399 NUS.CN]*
- 1983** “In the Science Faculty, the curricula of Biochemistry, Microbiology and Physiology were expanded and upgraded so that each could be taken as a full subject in the BSc programme. This is in line with the University’s objective to incorporate basic biotechnology concepts into the undergraduate curriculum. In successive years, the students could proceed to the honours courses in these subjects, thus preparing them for R&D in biotechnology.” FOS
- Source: National University of Singapore. Annual Report, 1983/1984; p 4. [NUSL call no. LG399 NUS.AR]*
- 1983** “Analytical chemistry was introduced as a separate section in both the lectures and the practical classes in 1974 for the second and third year courses and this was also extended to the first year in 1983.” Chem
- Source: National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989, 1989; p 4. [NUSL call no. LG399 NUSDC.D]*

- 1983** "The curriculum of the Department of Computer Science has been extensively revised and upgraded in order to prepare graduates who can meet the increasing demand for computer manpower in Singapore ... The revised curriculum will provide for two streams of study i.e. in information systems and computer science ... The new course was started last July and the first batch of honours students will graduate in 1987."
Source: National University of Singapore. Campus News, No. 26, 1984; p 1. [NUSL call no. LG399 NUS.CN]
- 1984** "The Postgraduate Society was set up in the early 1984 by postgraduate students of the Science Faculty."
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 82. [NUSL call no. LG399 NUSFS.S]
- 1984** "The National University of Singapore Mathematics Society was established in 1984 to actively promote the welfare of NUS Mathematics students."
Source: National University of Singapore. Department of Mathematics. Mathematics Society Home Page. <http://scicblc.nus.edu.sg/~mathsoc/home.htm> (Accessed Aug 2009)
- 1985** "A \$19.5 million project to add more facilities to the National University of Singapore Science Faculty has begun. There will be a library, two lecture theatres and a teaching block housing administrative offices and research laboratories for the Botany, Zoology and Chemistry departments. This project is part of the third phase of a university-wide expansion programme to cater for the increase in students and staff."
Source: The Straits Times, 9 Jan, 1985; p 11.
- 1985** "In the Faculty of Science an introductory computer course is compulsory for all first-year students who are not taking the Information Systems/Computer Science package or reading Computer Programming and Applications I. Every science student will therefore have acquired some formal training in computers by the end of the first year."
Source: National University of Singapore. Annual Report, 1985/1986; p 7. [NUSL call no. LG399 NUS.AR]
- 1985** "A curriculum Review Committee, comprising academic staff and professional pharmacists in private practice, was set up to review the Pharmacy course structure and syllabuses [in 1985]."
Source: National University of Singapore. Annual Report, 1984/1985; p 5. [NUSL call no. LG399 NUS.AR]

- 1986** "The Faculty of Science wants to publicise its activities more to get more people interested in science education and a career in science research, and to foster a closer relationship with industrial firms. 'The Science Faculty has both the expertise and facilities for it to play an active role in preparing Singapore to meet the economic-technological challenges of the future' said the Acting Vice-Chancellor, Professor Huang Hsing Hua, in opening the faculty's first open day on September 29 [1986]."
Source: National University of Singapore. Campus News, No. 56, 1986; p 12. [NUSL call no. LG399 NUS.CN]
- 1986** "An information unit will be set up in the National University of Singapore's Science Faculty to link science research with industry. The unit will have information on the variety of research going on at any given time in the faculty's seven departments. This is available to industrialists. It will also help researchers by putting them in touch with the industries that could use their findings, and help them with other legal aspects like patenting."
Source: The Straits Times, 28 Sep, 1986; p 10.
- 1986** "For all first year Science students, a new course on "Introduction to Computing" is now a requirement, and for the first time, a fourth year honours course was offered at the Department of Information Systems and Computer Science. Two part-time postgraduate courses were also introduced: The Diploma in Computing Technology and the MSc in Computer and Information Sciences by coursework and dissertation. These programmes, which are very popular, provide opportunities for computer professionals to upgrade and meet the demands of industry."
Source: National University of Singapore. Annual Report, 1986/1987; p 10. [NUSL call no. LG399 NUS.AR]
- 1986** "In the Faculty of Science, Pharmacy will be offered as a first year subject for Pharmacy students in the new academic year."
Source: National University of Singapore. Annual Report, 1987/1988; p 8. [NUSL call no. LG399 NUS.AR]
- 1986** "The Science Library opened for service on May 19, 1986, after six years of planning, preparation and removal work."
Source: National University of Singapore. Campus News, No. 53, 1986; p 3. [NUSL call no. LG399 NUS.CN]

- 1986** "The first cohort of graduates received their BSc degrees under the new curriculum in 1986. The new degree name BSc in Computer and Information science was adopted in 1987."
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 33. [NUSL call no. LG399 NUSFS.S]
- 1986** "The Department of Information Systems & Computer Science offers an undergraduate programme and a postgraduate programme to develop professional manpower for the local computer industry and conducts fundamental and applied research which contributes towards keeping Singapore in the forefront in Information Technology."
Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 36. [NUSL call no. LG399 NUSFS.F]
- 1986** "For all Science students, a new course on "Introduction to Computing" is now a requirement, and for the first time, a fourth year honours course was offered at the Department ... Two part-time postgraduate courses were also introduced: The Diploma in Computing Technology and the MSc in Computer and Information Sciences by coursework and dissertation. These programmes, which are very popular, provide opportunities for computer professionals to upgrade and meet the demands of industry."
Source: National University of Singapore. Annual Report, 1986/1987; p 10. [NUSL call no. LG399 NUS.AR]
- 1987** "Since 1987, the University actively promotes a computer environment. Apart from office automation and electronic mail systems, the University is also encouraging computer-based learning. In the Science Faculty, 4 seminar rooms were converted for computer-based learning ... The facility is at present manned by students from the Science Club and the Computer Science Society."
Source: National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989), [1990]; p 5. [NUSL call no. LG399 NUSFS.S]
- 1988** "The Laboratory for Image and Signal Processing was established in 1988 in the Faculty of Science, National University of Singapore. This multi-disciplinary laboratory was set up in view of the increasing importance of image and signal processing techniques in many research and application areas ranging from archaeology to defence, medicine and engineering."
Source: National University of Singapore. Research Trends: A Publication of the Centre for Industrial Collaboration, Faculty of Science, NUS, Vol. 3, No. 1, 1991; p 2. [NUSL call no. LG399 NUSSCIC.RT]

- 1988** "In the Faculty of Science, increased emphasis on research work was reflected in the revised curriculum for Chemistry Honours course while an Undergraduate Research Enrichment Programme for 3rd year students was implemented in the Department of Information Systems & Computer Science."
Source: National University of Singapore. Annual Report, 1988/1989; p 8. [NUSL call no. LG399 NUS.AR]
- 1988** "In 1988, the Faculty opened its Computer-Based Learning Centre, the first in the University, to all staff and students in the Faculty. The Centre, which is run entirely by students, promotes the use of IT and multimedia in teaching and learning."
Source: National University of Singapore. NUS: To Meet the Challenges of A Developed Nation: 90th Anniversary, 1905-1995, 1995; p 46. [NUSL call no. LG399 NUS.Ns]
- 1988** "Science Enrichment Programme – Under a pilot project established by the Faculty of Science and the Ministry of Education [in 1988], outstanding first year junior college students who have an interest in and aptitude for scientific research were given the opportunity to participate in actual research under the guidance of NUS staff. The programme enhanced the student's understanding of and appreciation of research and gave them an insight far beyond what they would have obtained from class-room instruction."
Source: National University of Singapore. Annual Report, 1988/1989; p 7. [NUSL call no. LG399 NUS.AR]
- 1988** "The University's Zoological Reference Collection, previously stored at various locations, was moved to its new premises in the Science Library building and officially opened by the Education Minister, Dr Tony Tan Keng Yam on 31 October 1988."
 "The collection derives its importance from its historical significance and its comprehensive representation of the fauna of Singapore and the region. Established in 1849 as a museum of anthropology and natural history, many of its specimens are of extinct or endangered birds and mammals of Singapore."
Source: National University of Singapore. Annual Report, 1988/1989; p 7. [NUSL call no. LG399 NUS.AR]

- 1988** "As from the academic year 1988-89, students offering Pharmacy were streamed into Bachelor of Science (Pharmacy) course right from the first year onwards, unlike previously when streaming was done at the end of the common first year course in Science."
Pha
Source: National University of Singapore. Annual Report, 1988/1989; p 8. [NUSL call no. LG399 NUS.AR]
- 1988** "Starting from 1988, the Department [of Physics] took over the running of the Computer Programming and Applications (CPA) course from the Department of Information Systems and Computer Science."
Phy
Source: National University of Singapore. Department of Physics. Physics at the National University of Singapore, 1994; p 9. [NUSL call no. LG399 NUSDP.N]
- 1988** "In line with the policy of establishing research laboratories of excellence, the Surface Science Laboratory was established in 1988 for multidisciplinary research work. Collaboration with industry is a major function of the Laboratory which had close links with the semiconductor industry."
Phy
Source: National University of Singapore. NUS: To Meet the Challenges of A Developed Nation: 90th Anniversary, 1905-1995, 1995; p 46. [NUSL call no. LG399 NUS.Ns]
- 1988** "... Starting from 1988, a new subject called 'General Physics' was introduced. This subject was intended as an optional course for first year science students who did not plan to major in physics and for second year students who had not read physics in their first year."
Phy
Source: National University of Singapore. Department of Physics. Physics at the National University of Singapore, 1994; p 9. [NUSL call no. LG399 NUSDP.N]
- 1989** "In 1989, the [Science Enrichment Programme] programme was renamed Science Research Programme (SRP) to better reflect the best approach to an appreciation of science research."
FOS
Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/outreach/srp/> (Accessed Aug 2009)
- 1989** "In July 1989, Lord Dainton, Chancellor of the University of Sheffield, visited Singapore at the invitation of the Ministry of Education to conduct a review of the development of university education in Singapore since 1979 and to recommend directions for university expansion in Singapore. Lord Dainton has completed his review and submitted his Report (attached) in November 1989."
FOS

Source: Dainton, Frederick Sydney. Higher Education in Singapore, 1989; p 1. [NUSL call no. LA1239.2 Dai 1989]

1989 “... Dainton has, in his latest Report, recommended that Singapore should now seek to build two strong comprehensive universities – the National University of Singapore and the Nanyang Technological University – with the two universities competing and offering many subjects on their respective campuses.” FOS

Source: Dainton, Frederick Sydney. Higher Education in Singapore, 1989; p 2. [NUSL call no. LA1239.2 Dai 1989]

1989 “The Ministry agrees with Dainton's recommendation that having two strong universities will introduce an element of healthy competition for students and resources and provide for a more lively and vigorous university education scenario in Singapore. The consequence of accepting Dainton's recommendation to build two strong universities is that NTU will have to broaden its focus and develop as a comprehensive university with many faculties, some offering courses already available in NUS.” FOS

Source: Dainton, Frederick Sydney. Higher Education in Singapore, 1989; p 3. [NUSL call no. LA1239.2 Dai 1989]

1989 “Multi-disciplinary research continued to be actively promoted... For example, the research project involving the Faculty of Science's Department of Botany and the Faculty of Medicine's Department of Paediatrics entitled “Aerobiological profile of Singapore – its role in the parthenogenesis of allergic respiratory diseases”, was aimed at establishing the link between air spore and respiratory disorders – the first of its kind in Singapore.” FOS
Bio

Source: National University of Singapore. Annual Report, 1989/1990; p 12. [NUSL call no. LG399 NUS.AR]

1989 “The Centre for Industrial Collaboration - (CIC) established in 1988 was officially opened by Dr Ahmad Mattar, Minister for Environment on 5 December 1989 during the diamond jubilee celebrations of the Faculty of Science. Together with the official opening of CIC, two other multi-disciplinary laboratories of tremendous research potential and importance, namely, the Surface Science and Image and Signal processing laboratories were also officially opened by the Minister.” FOS

Source: National University of Singapore. Research Trends: A Publication of the Centre for Industrial Collaboration, Faculty of Science, NUS, Vol. 2, No. 1, 1990; p 1. [NUSL call no. LG399 NUSSCIC.RT]

- 1989** "The Faculty of Science continued to use its Centre for Industrial Collaboration to promote the faculty's research programme and to seek contacts with industry. To meet this objective, the Centre launched a new publication, Research Trends [: a publication of the Centre for Industrial Collaboration, Faculty of Science, NUS in 1989]."
Source: National University of Singapore. Annual Report, 1989/1990; p 13. [NUSL call no. LG399 NUS.AR]
- 1989** "For the first time in history, three faculties celebrated their Diamond Jubilee (60th Anniversary). They were the Faculty of Arts & Social Sciences, the Faculty of Science and the Faculty of Dentistry." "For the Faculty of Science and the Faculty of Arts & Social Sciences, their combined celebrations in December 1989 included an activity-packed programme of seminars and lectures, exhibitions, open days, games and a grand dinner."
Source: National University of Singapore. Annual Report, 1989/1990; p 9. [NUSL call no. LG399 NUS.AR]
- 1989** "The International Olympiad in Informatics (IOI) was started in 1989. It added another discipline to the existing list of Olympiad competitions including Mathematics, Physics, and Chemistry. The objective of the Olympiad is to bring together young science students from all over the world so as to raise their level of awareness of and proficiency in Informatics. The Olympiad also seeks to promote international friendship by allowing students to interact with one another and by exposing them to the cultures of other nations."
Source: National University of Singapore. Department of Information Systems and Computer Science. ISCS News, 1998; p 9. [NUSL call no. LG399 NUSIC.IS]
- 1989** "The Seed Handling Unit (SHU), located in the Department of Botany, NUS is the second set up by the IBPGR. The first was at the Royal Botanic Gardens, Kew, Wakehurst Place, UK. Besides complementing the operations at Kew, the SHU-Singapore will expedite the safe transactions of plant genetic material from Asia and the Pacific region to other genebanks and research and plant breeding institutes in the world."
Source: National University of Singapore. Campus News, No. 78, 1989; p 4. [NUSL call no. LG399 NUS.CN.]
- 1989** "In the Department of Zoology, the introduction of Comparative & Developmental Neurobiology as a new Honours degree [module] reflected

the increasing importance of neurobiology as a field of academic study and research.”

Source: National University of Singapore. Annual Report, 1989/1990; p 11. [NUSL call no. LG399 NUS.AR]

- 1989** “The Computer and Information Science Alumni Association (CISAA) was formed in 1989, primarily to promote the interests of its members and to provide interaction among members, the alma mater, and industry.” DISCS
Source: National University of Singapore. School of Computing Home Page. <http://www.comp.nus.edu.sg/qlinks/alumni.shtml> (Accessed Aug 2009)
- 1990** “The society was first established in 1984 as The Postgraduate Society (BioScience) but since August 1990 has opened its membership to all postgraduate students of the other faculties and institutes ... The society has set its basic objectives for the year ahead – to improve the intellectual and social environment for postgraduates in the University, and to develop and maintain links with former postgraduates and postgraduate associations abroad.” Bio
Source: National University of Singapore. Campus News, No. 87, 1991; p 13. [NUSL call no. LG399 NUS.CN]
- 1990** “In [1990/91], the Faculty announced the introduction of two new subjects, Cell and Molecular Biology and Developmental and Systems Biology, to meet new challenges in these fields. In addition to these two Biology subjects, the Departments of Botany and Zoology will be offering a third Biology subject – Integrative and Organismal Biology. The existing Biology A and Biology B will be replaced by these new biology subjects.” Bio
Source: National University of Singapore. Campus News, No. 88, 1991; p 3. [NUSL call no. LG399 NUS.CN]
- 1990** “The Department of Zoology marked its 40th Anniversary in 1990 with the launching of two publications in November – Essays in Zoology, a collection of papers written by past and present academic staff of the Department, and a special issue of The Raffles Bulletin of Zoology, an international journal of Southeast Asian zoology.” Bio
Source: National University of Singapore. Campus News, No. 86, 1991; p 6. [NUSL call no. LG399 NUS.CN]
- 1990** “NUS Pharmaceutical Society ... witnessed [its] 30th Anniversary ... since its founding in 1960.” Pha
Source: University of Singapore. Pharmaceutical Society. Pharmaceutica, 1990/1991; p 11. [NUSL call no. LH7 PHA]

- 1991** "To keep up with the technology age and to further meet the demand of local industries, the Department [of Physics] helped to establish 2 new subjects in 1991 for the Science Faculty: Computational Science (with the Chemistry and Mathematics Departments) and Materials Science (with the Chemistry Department)."
- Source: National University of Singapore. Department of Physics. Physics at the National University of Singapore, 1994; p 9. [NUSL call no. LG399 NUSDP.N]*
- FOS
DISCS
Mat
Sc
- 1991** "In line with the advent of cell and molecular biology, a third unit in Cell & Molecular Biology (CMB), for second year undergraduates, was also introduced in the same year. This course was offered up to the Honours level, thus making it another subject of specialisation in addition to Botany and Zoology. Another new feature in the revised undergraduate programme was the reversion to offering Botany and Zoology (under Plant Biology and Animal Biology) as single subjects to second year undergraduate students."
- Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 32. [NUSL call no. LG399 Nusfs.Ol 2000]*
- Bio
- 1991** "The National University of Singapore is among the first in the world to introduce Computational Science at the undergraduate level. Students are trained in the UNIX environment using high-speed powerful workstations for numerical and algebraic computations, simulation and visualisation. They also learn the fundamentals of parallel computing and gain access to the university's computing facilities as well as national supercomputing facilities."
- Source: National University of Singapore. Prospectus, 1996/1997; p 229. [NUSL call no. LG399 NUS.PR]*
- CS
- 1991** "Computational Science is offered as a subject from the first year. A student may graduate with a BSc degree specializing in Computational Chemistry, Computational Mathematics, or Computational Physics."
- Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 27. [NUSL call no. LG399 NUSFS.F]*
- CS
- 1991** "... [The Department of Materials Science] originated in the recognition by physics and chemistry faculty that this area would, in the long run, be of vital importance to the Singaporean economy. This view was based on the rapid growth of local industries dealing with ceramics, metals, semiconductors, polymers and composites."
- Mat
Sc

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; pp 57-58. [NUSL call no. LG399 Nusfs.Ol 2000]

- 1991** "Materials Science ... which is jointly run by the Departments of Physics and Chemistry, starts in the second year and leads to a Bachelor of Science degree or to an Honours Degree. Only students who have studied Physics and Chemistry in their first year are eligible for the course." Mat
Sc

Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 48. [NUSL call no. LG399 NUSFS.F]

- 1992** "Since then [1992] the University has undergone several phases of change and expansion and the Faculty presently comprises seven departments and two interdisciplinary programmes. These are: [Departments] - Botany, Chemistry, Information Systems, Computer Science, Mathematics, Pharmacy, Physics, Zoology. [Programmes] - Computational Science, Material Science." FOS

Source: National University of Singapore. Faculty of Science. Faculty of Science, [1992]; p 1. [NUSL call no. LG399 NUSFS.F]

- 1992** "The Undergraduate Science Research Programme (USRP) was launched in the academic year 1992-93. This programme was initiated to allow undergraduates to participate in active research at the Faculty of Science, and to experience at first hand the exhilaration of discovery and invention. Students undertake all phases of research activity which include proposal writing, reading scientific journals, conducting actual research work, analysing data, attending seminars, and presenting results in oral and written form." FOS

Source: National University of Singapore. Prospectus, 1996/1997; p 219. [NUSL call no. LG399 NUS.PR]

- 1993** "The NUS Faculty of Science has, for the first time, introduced a Dean's List to honour students who have performed academically well during the year ... A total of 198 students were presented with certificates at the annual Welcome Tea held on 7 July 1993 for first year students. Associate Professor Bernard Tan, Dean of Science, said: "It recognizes the achievements of the students and will spur them on to do their best each year." FOS

Source: National University of Singapore. Campus News, No. 102, 1993; p 12. [NUSL call no. LG399 NUS.CN]

- 1993** "Starting this year, apart from first, second upper and lower and third class degrees, pass degree graduates from NUS and NTU will graduate with either FOS

a pass with merit or a pass ... At NUS, the faculties affected are Arts and Social Sciences, Business Administration, and Science.”

Source: The Straits Times, 10 Jun, 1993; p 3.

1993 “A new research centre called the Bioscience Centre is being set up [in 1993] in the National University of Singapore (NUS). An initial grant of about \$6 million has been approved by the Economic Development Board (EDB) for the setting up of the centre.” Bio

“The Bioscience Centre which will for the time being occupy the renovated teaching museum at the Zoological Department, will be involved primarily in biochemistry, microbiology, botany and zoological research. It will also be used for other biotechnology research, and collaborative research projects with pharmaceutical companies and institutions might be conducted. Although the Centre will serve as a common-core facility to facilitate research in the Biological Science Departments relating to Biotechnology, it will focus its in-house research programme on bioactive compounds from plant, animals and microorganisms.”

Source: National University of Singapore. Research Trends: A Publication of the Centre for Industrial Collaboration, Faculty of Science, NUS, Vol. 5, No. 1, 1993; p 4. [NUSL call no. LG399 NUSSCIC.RT]

1993 “The undergraduate curriculum was re-structured for the new modular system in 1993. The new ISCS modular curriculum reflects many of the recent recommendations on computing curricula from a number of professional bodies, namely, the Computing Curricula 1991 - Report of the ACM/IEEE-CS Joint Curriculum Task Force, the report from the Curriculum Sub-Committee of Advisory Committee for DISCS, which also encompasses input from the National Computer Board (NCB) of Singapore, and the local IT industry.” DISCS

Source: National University of Singapore. Prospectus, 1996/1997; p 232. [NUSL call no. LG399 NUS.PR]

1994 “... The NUS Modular System will be introduced in the Faculties of Arts and Social Sciences, Engineering and Science and the School of Building & Estate management in the academic year 1994-5 ... The NUS Modular System reflects the University’s effort to constantly keep up with changing needs in order to produce graduates with the requisite knowledge and skills for the social and economic development of our country. It will combine the rigour and depth of the British system, including the system of external examiners and the advantages of small group teaching, with the flexibility and breadth of the American system. One of the objectives introducing the modular system is to provide a healthy diversity of learning opportunities so that FOS

students can develop to their full potential.”

Source: National University of Singapore. The National University of Singapore Modular System: Academic Year 1994/1995, [1994]; p 2. [NUSL call no. LG399 NUS.Nat]

- 1994** "With the new [Modular] system, the academic year will be reorganised into semesters and students will be taught self-contained courses known as modules. The new system will also introduce a Special Term, six to eight weeks long, during year-end vacation when students can complete their degree requirements at their own pace and graduate earlier by offering more courses during this term. The modular system is therefore more flexible than the traditional British curriculum system." FOS
- Source: National University of Singapore. Campus News, No. 106, 1994; p 1. [NUSL call no. LG399 NUS.CN]*
- 1994** "Science Vision, a new programme to complement the Science Research Programme, was jointly launched by the Faculty of Science and the Gifted Education Unit of the Ministry of Education on 17 November 1994. The objective of the eight-day programme is to widen the perspectives of junior college students by providing them with fresh insights into the theories and practices of science and to stimulate students' interest and thinking beyond the standard classroom syllabuses." FOS
- Source: National University of Singapore. Campus News, No. 110, 1995; p 10. [NUSL call no. LG399 NUS.CN]*
- 1994** "In 1994, the NUS and the National Science and Technology Board jointly established an Adjunct Research Appointment Scheme. The aim is to enable NUS to appoint senior industry researchers and managers to undertake part-time R&D work in NUS, particularly in the Faculties of Engineering and Science." FOS
- Source: Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore, 1996; p 221. [NUSL call no. LG399 NUS*Le]*
- 1994** "... The Undergraduate Research Opportunities Programme in Science (UROPS) was introduced in the Faculty of science in academic year 1994/1995. It allows the students to engage actively in research, discussions, intellectual communications and other creative activities and to experience at first hand the exhilaration of discovery and invention." FOS
- Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 23. [NUSL call no. LG399 NUSFS.AR]*
- 1994** "With effect from the academic year 1994/95, students' (except for Pharmacy majors) participation in the [Undergraduate Science Research

Programme] USRP will earn academic credit towards their BSc requirements."

Source: National University of Singapore. NUS: To Meet the Challenges of A Developed Nation: 90th Anniversary, 1905-1995, 1995; p 46. [NUSL call no. LG399 NUS.Ns]

1994 "... It was not until 1994 that the full three-year pharmacy course was reinstated." Pha

Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 2000; p 14. [NUSL call no. LH7 PHA]

1995 "Started in 1995 and jointly organised with the Gifted Education Branch of the Ministry of Education, the Science Mentorship Programme (SMP) aims to cultivate the spirit of inquiry in secondary three students who are interested in science by providing them with opportunities for interaction and scientific investigation in research laboratories with scientists from the university. The SMP was organised to meet the needs of students in the Gifted Education Programme (GEP), as well as the non-GEP pupils, who have a strong interest in science." FOS

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; pp 58-59. [NUSL call no. LG399 NUSFS.AR]

1995 "Among the new programmes introduced in the year were the Master of Science in Materials Science and Engineering jointly offered by the Faculties of Science and Engineering ..."

Source: National University of Singapore. Annual Report, 1995/1996; p 12. [NUSL call no. LG399 NUS.AR]

1995 "The Centre for Remote Imaging, Sensing and Processing (CRISP), which was established in 1992, will operate in the latter part of 1995, a remote sensing ground station to receive remote sensing data from the French satellite SPOT, the European satellite ERS and the Canadian satellite Radarsat. CRISP will process the received data to standard and value-added products to meet the requirements of users in Singapore and the Southeast Asian region in the scientific, engineering and commercial fields. With this facility, NUS will join a select number of universities in the world which have a fully equipped remote sensing station."

Source: National University of Singapore. NUS: To Meet the Challenges of A Developed Nation: 90th Anniversary, 1905-1995, 1995; p 47 [NUSL call no. LG399 NUS.Ns]

1995 "In 1995, the Raffles Bulletin was formally accepted by the Institute of Scientific Information (ISI) for inclusion in current contents - Agriculture, Bio

Biology & Environmental Sciences, the top indexing journal in the market."
Source: National University of Singapore. Department of Biological Sciences. Raffles Museum of Biodiversity Research Home Page. <http://rmbn.nus.edu.sg/rbz/history.php> (Accessed Aug 2009)

- 1995** "In 1995, Pharmacy was listed as a separate programme for the purpose of admission to the University. Pharmacy students were previously first admitted to Science before being selected to read Pharmacy. The Department of Pharmacy is revamping its curriculum in response to the fast-changing needs of the pharmaceutical profession."
Source: National University of Singapore. NUS: To Meet the Challenges of A Developed Nation: 90th Anniversary, 1905-1995, 1995; p 47. [NUSL call no. LG399 NUS.Ns]
- 1995** "Worthy of special mention ... [is] the introduction of a new major, "Physics in Technology" in the Science Faculty to equip science students for the semiconductor wafer fabrication industry [in 1995]."
Source: National University of Singapore. Annual Report, 1995/1996; p 14. [NUSL call no. LG399 NUS.AR]
- 1995** "This new "Physics in Technology" (PIT) major will provide students with a fundamental physics base coupled with a strong technical bias, and will initially be oriented towards the wafer fabrication industry. The design of course structure will be sufficiently versatile to allow for gradual re-orientation so as to focus on other technological fields in accordance with contemporary needs of our industries."
Source: National University of Singapore. Department of Physics. Newsletter, No. 1, 1996, p 2.
- 1995** "To attract good students the department offers Advanced Placement Credits for students with very good grades in A-level Physics or the Special Paper in Physics. Such credits are also available for Polytechnic graduates with good grades in the appropriate courses."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 81. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1995** "Starting from 1995, the department offers an increasing variety of dynamic and flexible undergraduate programmes, which concentrate on understanding the fundamentals of science and technology starting from the basic laws of nature. Students can do a major in either Physics or Applied Physics. In addition, students are also able to double major in physics or applied physics and another subject in the Faculty ..."
 "[The] cross-disciplinary enrichment module called "Understanding the Universe" attracted more than 1500 students. It is a strong testimony of the

inherent interest in basic physics of the educated man, as well as a measure of the new cultural awareness of physics amidst our society."

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 81. [NUSL call no. LG399 Nusfs.Ol 2000]

- 1996** "To meet the growing manpower needs in some critical and emerging areas in science and technology, the Faculty of Science, National University of Singapore, will offer its students, eight subject minors in the new academic year 1996/97. The new areas of concentration, introduced for the first time by the Faculty, are in the following industry-related areas: Agrotechnology, Analytical Chemistry, Biotechnology, Computational Finance, Computational Science, Computer Programming Applications, Management of Information Technology, and Semiconductor Technology."
- Source: National University of Singapore. News Release, 5 Jul 1996; p 1. [NUSL call no. LG399 NUS.P]*
- 1996** "Science students in the accelerated MSc programme can graduate with the following degrees after four to four-and-a-half years of study: Bachelor of Science with Honours, and Master of Science; Bachelor of Science (Computer and Information Sciences) with Honours, and Master of Science. They will be encouraged to participate in the Undergraduate Science Research Programme (USRP) and/or the Overseas Student Exchange Programme with leading universities abroad. The accelerated MSc programme was formerly available in the computer science field as a pilot project. It has now been extended to cover all fields in the Faculty of Science."
- Source: National University of Singapore. Campus News, No.119, 1996; p 11. [NUSL call no. LG399 NUS.CN]*
- 1996** "The Special Programme in Science (SPS) was launched in July 1996 for a selected cohort of bright and talented undergraduates. The objectives of this programme are to A FOStter small group learning and enhance student-mentor interaction. The programme also enables students to participate in creative interdisciplinary projects, learn science in an interactive environment, develop interpersonal and communication skills, attain a broad perspective in science and cultivate leadership qualities"
- Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 1, No. 2, 1997; p 13. [NUSL call no. LG399 CDTL]*
- 1996** "NUS has set up an Acoustics Research Laboratory (ARL) in the Faculty of Science since March [1996] to research on better ways to use sound data to get good "pictures". Working on the revolutionary idea that pictures could be taken by recording sound waves generated by the oceans themselves, the

laboratory has been using data collected by the acoustics camera, Adonis, at Scripps Institution of Oceanography in San Diego, as a starting point for their research."

*Source: National University of Singapore. Campus News, No. 119, 1996; p 1.
[NUSL call no. LG399 NUS.CN]*

- 1996** "The modular system adopted by most faculties since 1994 has provided the impetus for cross-disciplinary learning, in line with the University's aim to produce well-rounded graduates with broad intellectual horizon ... science students will be able to offer 'minors' ranging from biotechnology and analytical chemistry to semi-conductor technology and computational finance. These changes would be effected in July 1996." FOS
*Source: National University of Singapore. Annual Report, 1995/1996; p 10.
[NUSL call no. LG399 NUS.AR]*
- 1996** "At present [1996], the Faculty of Science is one of the biggest faculties in the University and comprises nice departments and one interdisciplinary programme: [Departments] - Botany, Chemistry, Computational Science, Information Science & Computer Science, Material Science, Physics, School of Biological Sciences. [Programmes] - Cell and Molecular Biology." FOS
*Source: National University of Singapore. Prospectus, 1996/1997; p 216.
[NUSL call no. LG399 NUS.PR]*
- 1996** "National University of Singapore Convocation 1996: 27 August - 1 September 1996 ... From the Faculty of Science, the first batch of seven students granted advance placement upon admission will graduate under the Modular System with B Sc degree, after completing two years of study instead of the normal three years." FOS
*Source: National University of Singapore. News Release, 15 Aug 1996; pp 1-2.
[NUSL call no. LG399 NUS.P]*
- 1996** "Graduates of the NUS Faculty of Science have formed their own alumni association to keep science graduates in touch with each other ... The result of their initiative was the registration of their organisation in mid-1996 and their first Annual General Meeting just before the year ended." FOS
*Source: National University of Singapore. Campus News, No. 123, 1997; p 12.
[NUSL call no. LG399 NUS.CN]*
- 1996** "Another important development which will further synergise teaching and research in biological sciences was the merger of the Departments of Botany and Zoology to form the School of Biological Sciences. With the merger, the Bio

teaching of plant biology, animal biology and cell and molecular biology now comes under an integrated curriculum.”

Source: National University of Singapore. Annual Report, 1995/1996; pp 14-16. [NUSL call no. LG399 NUS.AR]

- 1996** "In March of 1996, the programme [in Computational Science] was converted to a Department in the Faculty of Science because of the importance of meeting the technical manpower training needs of Singapore. The National University of Singapore is one of the first universities in the world to introduce this subject at the undergraduate level."
CS
Source: National University of Singapore. Faculty of Science. Department of Computational Science. In Faculty of Science, National University of Singapore, 1999; p 1. [NUSL call no. LG399 NUSFS.F]
- 1996** "In addition to the courses offered by the Department of Computational Science, students are also required to satisfy specific requirements in the fundamentals of one of the traditional scientific areas. At this time, the participating departments include Chemistry, Mathematics and Physics."
CS
Source: National University of Singapore. Department of Computational Science. 1998 International Advisory Panel Visit. In Write-ups on the Faculty of Science, [1998]; p 3.
- 1996** "The programme matured into a full-fledged department in 1996, the first new department in the Faculty of Science since the merger of the university of Singapore with the Nanyang University in 1980."
Mat
Sc
Source: National University of Singapore. Faculty of Science. Department of Material Science. In Faculty of Science, National University of Singapore, 1999; p 1. [NUSL call no. LG399 NUSFS.F]
- 1996** "The Pharmacy extension block was completed and handed over to the Department for occupancy in November 1996."
Pha
Source: National University of Singapore. Annual Report, 1996/1997; p 38. [NUSL call no. LG399 NUS.AR]
- 1997** "Singapore students' performance in the International Science Olympiads will be further enhanced with the newly formed National Science Olympiad Council (NSOC). Initiated by NUS, the council, with the Minister for Education as patron, serves to consolidate the selection and training of participants for the four olympiads – chemistry, physics, mathematics and informatics."
FOS
Source: National University of Singapore. Campus News, No. 123, 1997; p 3. [NUSL call no. LG399 NUS.CN]

- 1997** "Minister Lee Yock Suan launched the NSOC on [8 January 1997]and announced that students who win gold, silver or bronze medals in the International Science Olympiads will be offered direct admission into NUS and NTU Science and Engineering courses regardless of their A-level results. The direct admission plan is part of the Government's ongoing efforts to attract the brightest and best into science and engineering."
Source: National University of Singapore. Campus News, No. 123, 1997; p 3. [NUSL call no. LG399 NUS.CN]
- 1997** "The University will also move towards a flat fee structure for all courses except Medicine and Dentistry. This is aimed at removing the fee differential which may deter good students from pursuing courses in Engineering and Science."
Source: National University of Singapore. Annual Report, 1996/1997; p 16. [NUSL call no. LG399 NUS.AR]
- 1997** "To develop a better research management system, the Faculty has since 1997, restructured its Faculty Research Committee (FRC). The FRC currently comprises two sub-committees, the Biological Sciences and the Physical Sciences Sub-Committees. Each sub-committee is chaired by the Dean and comprises the Vice-Dean and Sub-Dean for Research, as well as a panel of academic members from various disciplines in the biological or physical sciences. Each sub-committee evaluates research proposals in the respective disciplines and makes recommendation for peer-review."
Source: National University of Singapore. Faculty of Science. 1998 International Advisory Panel (IAP) Visit. In Write-ups on the Faculty of Science, [1998]; pp 3-4.
- 1997** "The Info Update, which was introduced in late 1997, aimed to inform junior college students about recent developments in the Faculty and current issues related to Science. This publication has been terminated as such information can be mounted on the web site which is easily accessible and more cost-effective."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 69. [NUSL call no. LG399 NUSFS.AR]
- 1997** "The Faculty of Science has set up a graduate school. This is in response to the steady growth in the number of postgraduate science students over the

last few years. This growth is likely to continue with the projected increase in manpower requirements for highly skilled personnel in science- and engineering-based professions. The Graduate school of Science aims to add thrust to the existing science higher degree programmes, plan new critical programmes, act as a liaison body, and promote the role of science in society and industry."

Source: National University of Singapore. Campus News, No. 128, 1998; p 4. [NUSL call no. LG399 NUS.CN]

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|-------------|---|---------------------|
| 1997 | <p>"The Applied Chemistry programme [was] inaugurated in July 1997."</p> <p><i>Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 25. [NUSL call no. LG399 NUSFS.AR]</i></p> | Chem |
| 1997 | <p>"The Department of Information Systems and Computer Science (DISCS) embarked on the development of a system for secure transactions on the Internet and on machines such as ATMs with a fund of \$4.2 million provided by the National Science and Technology Board and the Ministry of Education."</p> <p><i>Source: National University of Singapore. Annual Report, 1996/1997; p 16. [NUSL call no. LG399 NUS.AR]</i></p> | DISCS |
| 1997 | <p>"Singapore students' performance in the International Science Olympiads will be further enhanced with the newly formed National Science Olympiad Council (NSOC). Initiated by NUS, the council, with the Minister for Education as patron, serves to consolidate the selection and training of participants for the four olympiads – chemistry, physics, mathematics and informatics."</p> <p><i>Source: National University of Singapore. Campus News, No. 123, 1997; p 3. [NUSL call no. LG399 NUS.CN]</i></p> | DISCS |
| 1997 | <p>"Computational Finance is a new major jointly offered at the undergraduate level by the Departments of Information Systems and Computer Science, Computational Science, and Mathematics. The subject involves the use of computational techniques in the fields of economics and finance, where computation has become an integral part of modelling, analysis and decision making."</p> <p><i>Source: National University of Singapore. Campus News, No. 125, 1997; p 11. [NUSL call no. LG399 NUS.CN]</i></p> | DISCS
CS
Math |
| 1997 | <p>"The Department of Mathematics is introducing a part-time MSc (Statistics) this academic year [1997]. This is a coursework-based programme that will involve academic staff from Stanford University, USA. The programme will provide practising statisticians with a sound knowledge of the statistical</p> | Math |

principles and methods."

*Source: National University of Singapore. Campus News, No. 125, 1997; p 10.
[NUSL call no. LG399 NUS.CN]*

- 1997** "In the academic year 1997/98, the Department [of Mathematics] introduced the Accelerated Masters Programme, which combines research and coursework and is integrated with the Honours Programme. A student takes one year to complete the Masters degree after the Honours year instead of the usual two years. This programme aims to attract local talent in research and development."
Source: National University of Singapore. Department of Mathematics. Report for the International Advisory Panel (IAP). In Write-ups on the Faculty of Science, [1998]; p 16.
- 1997** "The pharmacy course was extended to four years to provide for more training of patient-oriented skills. Students will undergo a 12-week Pharmacy Practice Preceptorship Programme during their fourth year to expose them to practice experience."
*Source: National University of Singapore. Annual Report, 1997/1998; p 20.
[NUSL call no. LG399 NUS.AR]*
- 1997** "The GEA-NUS Pharmaceutical Processing Research Laboratory was set up in 1997 with the aim of developing new manufacturing processes and ways to deliver drugs into patients more efficiently and effectively for the treatment of diseases."
Source: National University of Singapore. Faculty of Science. Faculty of Science Research Report, 1998; p 40. [NUSL call no. LG399 NUSFS.RP]
- 1997** "The NUS Physics Alumni was launched in November 1997 with the objective of creating a community of NUS Physics graduates who would be closely associated with their Alma Mater."
"A grand Inaugural Dinner of the NUS Physics Alumni was held on Friday, 24 October 1997 at the Shangri La Hotel."
*Source: National University of Singapore. Department of Physics Home Page.
http://www.physics.nus.edu.sg/alumni/alumni_inaugural_dinner.html
(Accessed Aug 2009)*
- 1998** "The Faculty of Science has introduced a new degree programme and several new majors for the new academic year [1998], to better prepare Science students to meet the demands of industry. The new Bachelor of Applied Science degree which will emphasise project work with a compulsory four-month industrial attachment, will give science graduates better fit with industry and make them more marketable. In addition,

Math

Pha

Pha

Phy

FOS
Bio
Math
Stat

several new majors have been introduced and they include Biology, Biomedical Science, Concentration in Economics with a Science subject, Applied Mathematics and Statistics ... Two new postgraduates courses introduced are the Postgraduates Diploma in Mathematics and the Master of Science in Mathematics by course work."

Source: National University of Singapore. Campus News, No. 132, 1998; p 5. [NUSL call no. LG399 NUS.CN]

- 1998** "Opportunities for cross-faculty learning were enhanced. With effect from July 1998, all first-year students will be required to take at least two modules outside of their faculties as part of the effort to broaden their intellectual horizons. Elements of national education and history of Singapore were introduced into the curricula of all faculties." FOS
- Source: National University of Singapore. Annual Report, 1997/1998; p 17. [NUSL call no. LG399 NUS.AR]*

- 1998** "In line with its strategy of attaining new heights of excellence, NUS has set up joint/double degree programmes with top overseas universities. Participants of the programme, whether local or international, will graduate with two degrees; one from the overseas university and a Master's degree from NUS. Through this programme, NUS hopes to retain top local talent who might otherwise be tempted to opt for an overseas educational experience. The joint/double degree programme comes at a time when the University is exploring new avenues to enrich NUS undergraduate culture." FOS
- Source: National University of Singapore. Campus News, No. 132, 1998; p 1. [NUSL call no. LG399 NUS.CN]*

- 1998** "The Faculty [of Science] recently established a STAR* (for Science Teaching Assurance Review) task force to review all teaching and learning activities in the faculty ... The goal is to ensure that the faculty offers quality programmes of sufficient rigour and intellectual content and that courses are taught by quality staff in an environment that promotes creative thoughts and stimulating ideas." FOS
- Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 2, No. 2, 1998; p 13. [NUSL call no. LG399 CDTL]*

- 1998** "The Biomedical Science major started in 1998 ... The aim of this major is to train graduates who are able to work in medically-related areas such as biomedical research, pharmaceutical industries, hospital, government or industrial laboratories." FOS
- "The Biomedical Science programme is a broad-based course involving the

participation of no fewer than 10 departments in the Faculties of Science and Medicine. Participating Departments: Anatomy, Biochemistry, Biological Sciences, Chemistry, Community, Occupational & Family Medicine, Microbiology, Pathology (Laboratory Medicine, NUH), Pharmacology, Physiology, and Statistics & Applied Probability."

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 13-14. [NUSL call no. LG399 NUSFS.AR]

- 1998** "The Faculty of Science is introducing two new degrees from academic year 1998/99. They are the Bachelor of Applied Science in Biotechnology and Bachelor of Science in Biology. The initiative is to reflect modern trends in biology as well as its integrated character as a science discipline ... The new programme on Biotechnology, designed to train students in the fast growing discipline, is part of the University's effort to synergise with Singapore's R&D efforts in the applied biology field, especially in agrobiolgy."
- Source: National University of Singapore. Campus News, No. 131, 1998; p 5. [NUSL call no. LG399 NUS.CN]*
- 1998** "... The reading of cross-faculty modules became compulsory for all students (except those in Medicine and Dentistry) in 1998."
- Source: Tan, Shook Fong. Pharmacy in Singapore: A Journey Through the Years, Ministry of Health: Singapore, 2002; p 48. [NUSL call no. RS 67.12 Pha 2002]*
- 1998** "The Faculty introduced USRP (Undergraduate Science Research Programme) in AY1994/95. USRP was renamed UROPS in 1998. The aim of this programme is to provide undergraduates with a unique opportunity to work with one or more scientists in a specific area of study. It allows undergraduates to engage actively in research, discussions, intellectual communications and other creative activities and to experience first hand the exhilaration of discovery and invention. Students will be presented the challenge of working at, or near, the frontiers of Science and this exposure will complement conventional classroom learning."
- Source: National University of Singapore. Registrar's Office Home Page. <http://www.nus.edu.sg/registrar/nusbulletin/FoS/UG/specialprogs.html> (Accessed Aug 2009)*
- 1998** "The name of the School [of Biological Sciences] was changed to Department of Biological Sciences under the management of a Head on 1 May 1998."
- Source: National University of Singapore. Department of Biological Sciences. Annual Report, 1997/1998; p 1. [NUSL call no. LG399 NUSDBS]*

- 1998** "The Raffles Museum for Biodiversity Research (RMBR) originated from the Raffles Museum, which was founded in 1849 ... The Raffles Museum of Biodiversity Research (RMBR) was ... established on 1 October 1998 [in place of The Zoological Reference Collection]."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 29. [NUSL call no. LG399 NUSFS.AR]
- 1998** "Prior to July 1998, students had to choose their majors from either Animal Biology, Plant Biology and Cell & Molecular Biology. These three programmes are being phased out with the introduction of the majors in Biology and Biotechnology. Students are allowed to take modules across these two programmes - the difference between the two being that the Biotechnology programme includes a semester of industrial attachment."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 24. [NUSL call no. LG399 NUSFS.AR]
- 1998** "To give students a more hands-on learning experience, the Department has also successfully developed and conducted its first laboratory teaching on Physiology [based on a deregulated time table]."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 25. [NUSL call no. LG399 NUSFS.AR]
- 1998** "On the social side the annual staff-students sports event, the Zoolympics, was expanded and renamed Biolympics."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 35. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1998** "The world's first marine research institute in tropical waters will open this year at St John's Island. The Tropical Marine Research Institute is one of the two academies that the National University of Singapore is setting up this year, to boost ground-breaking research in the sciences."
Source: The Straits Times, 24 Apr, 1998; p 1.
- 1998** "Established in 1998, the Chemical, Molecular and Materials Analysis Centre (CMMAC) at the Department of Chemistry, NUS, is a central instrumentation facility providing professional support to teaching and research in the academia and industry."
Source: National University of Singapore. Dept of Chemistry Home Page. http://www.chemistry.nus.edu.sg/research/cmac_facilities.htm (Accessed Aug 2009)

- 1998** “[School of Computing] (SoC) was established as a faculty within the National University of Singapore (NUS) in 1998, but our history spans 33 years – when we were the Department of Information Systems and Computer Science (DISCS) in the Faculty of Science, and before that, as the Department of Computer Science in the Singapore University-Nanyang University Joint Campus days.”
Source: National University of Singapore. School of Computing. School of Computing Home Page.
<http://www.comp.nus.edu.sg/newsroom/deansmessage/index.htm> (Accessed Aug 2009)
- 1998** “Postgraduate programmes introduced in academic year 1998-1999 ... Graduate Diploma in Mathematics Master of Science in Mathematics...”
Source: National University of Singapore. Annual Report, 1998/1999; p 17. [NUSL call no. LG399 NUS.AR]
- 1998** “Conceived first by the 37th ExCo [of the NUS Pharmaceutical Society] and put into motion by the 38th ExCo, the 1st annual pharmacy quiz was organized.”
Source: National University of Singapore. Pharmaceutical Society. Pharmaceutica, 1998/1999; p 64. [NUSL call no. LH7 PHA]
- 1998** "... A new major – Applied Physics – under the Bachelor of Applied Science degree programme was introduced for undergraduates who matriculated from July 1998. This major was created in response to Singapore's growing high-tech industrial base, which will need a suitably-trained workforce to remain viable."
 "The technologically-oriented Physics in Technology courses have also been extended into the Applied Physics programme. The programme, which is modelled after similar courses in top US universities, combines fundamental training in physics with an emphasis on broad applications of physics in modern technologies so as to fill the knowledge gap between academic science and routine engineering."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 29. [NUSL call no. LG399 NUSFS.AR]
- 1998** “Our laboratories working on HTS thin films and devices have now matured into a Centre for Superconducting and Magnetic Materials (CSMM) in NUS, May 1998. The CSMM is a founding member of the Institute of Engineering Science (IES) in NUS ... strongly supported by IES, Ministry of Education, NSTB, DSI, IMRE and DRD (Ministry of Defence).”

*Source: National University of Singapore. Department of Physics. Centre for Superconducting and Magnetic Materials Home Page.
<http://www.csmm.nus.edu.sg/aboutusIntroscmm.html> (Accessed Aug 2009)*

- 1998** "Research in quantum information science in Singapore was initiated in 1998 by Kwek Leong Chuan, Lai Choy Heng, Oh Choo Hiap and Kuldip Singh as a series of informal seminars at the National University of Singapore [Department of Physics]. The seminars attracted local researchers and resulted in forming the Quantum Information Technology Group ... In 2007 the Quantum Information Technology Group was selected as the core of the first Research Centre of Excellence in quantum information science and technology."
*Source: Centre for Quantum Technologies Home Page.
<http://www.quantumlah.org/aboutus/> (Accessed Aug 2009)* Phy
- 1998** "A Department of Statistics and Applied Probability has been set up in the Faculty of Science since 1 April [1998] to promote teaching and research in the subject, and to facilitate inter-disciplinary activities. It brought together the sizeable groups of statisticians previously in the departments of Mathematics and Economics and Statistics. [Prior to this, Statistics courses were taught by the Department of Mathematics and the Department of Economics and Statistics]."
*Source: National University of Singapore. Campus News, No. 131, 1998; p 4.
 [NUSL call no. LG399 NUS.CN]* Stat
- 1999** "Starting in academic year 1999/2000, the NUS has selected undergraduates from the Arts and Social Sciences as well as the Science Faculties to undergo the Harvard-style core-curriculum programme that aims to broaden their way of thinking. The first-year students can pick from a range of broad-based courses from 'The Biomolecular Revolution' to 'Creative Process: Theories and Cases'. "
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 16. [NUSL call no. LG399 NUSFS.AR] FOS
- 1999** "... The Faculty of Science introduced Stanford University's Education Programme for Gifted Youth (EPGY) as a pilot programme in July 1999."
 "The NUS-EPGY programme is a computer-based learning system targeted at junior college and upper secondary students, with tutoring by e-mail. The courses focus on understanding rather than rote-learning, hence enabling students to develop creative analytical skills, which are essential towards Singapore's vision to become a knowledge-based economy." FOS

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 18. [NUSL call no. LG399 NUSFS.AR]

- 1999** "The Food Science and Technology programme was introduced in 1999 to meet the demands in the industry for people educated in the science and technology of food. This is an interdisciplinary major which is conducted jointly by between the departments of Chemistry, Biological Sciences, Mathematics, Biochemistry and Microbiology."

FOS
Bio
Chem
Math

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 48. [NUSL call no. LG399 Nusfs.Ol 2000]

- 1999** "From academic year 1999/2000, all science students will be on track to obtaining degrees in B.Sc., B.Appl.Sc., B.Sc.(Hons) or B.Appl.Sc.(Hons). Students are given the liberty to decide on the degree that they wish to pursue subject to individual academic competency, using the Cumulative Average Point (CAP) system as the gauge of their competency throughout their chosen course of study."

FOS

"In this system, there will be an integrated Honours Programme, and all Honours year modules are accessible whenever the students are ready. One important feature is the imposition of a CAP pre-requisite of 3.8 or higher for the Honours Project Module. This ensures that only the best students will qualify."

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; pp 14-15. [NUSL call no. LG399 NUSFS.AR]

- 1999** "... The Cross Faculty Module programme is a concerted effort by the University to highlight the importance of cross-disciplinary knowledge to every undergraduate, so as to better prepare them for the workplace of the future. Cross Faculty Modules are essentially modules outside the resident faculty of a student, Student admitted in academic year 1999 ... will need to read a total of 9 modular credits (MCs) of Cross Faculty Modules. This number will increase to 20 MCs for basic degree holders and 28 MCs for Honours degree holders in the coming academic year 2000/2001."

FOS

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 17. [NUSL call no. LG399 NUSFS.AR]

- 1999** "The Centre for Information Technology and Applications (CITA) was established recently to meet the challenge of putting IT to effective use in teaching, learning, research and administration. It has three divisions: Education, Science Online and Service Support. The Centre currently offers a Computer Programming and Applications (CPA) program in the Science Faculty ... As a continual effort to enhance IT awareness in Science Faculty,

FOS

CITA also offers workshops for both students and staff members."

Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 3, No. 2, 1999; p 13. [NUSL call no. LG399 CDTL]

- 1999** "Starting from January 1999, the CBLC began to offer online courses on Web Design and Multimedia. The course contents have undergone stringent quality control, and are comparable with, if not better than those offered by many leading commercial schools."

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 24. [NUSL call no. LG399 NUSFS.AR]

- 1999** "Founded on 09 December 1999, the Science CBLC Alumni Association originated from the Science Computer-Based Learning Centre (CBLC) - a student body that helps students and staff leverage on the power of computers and IT in their work. The alumni group provides professional advice and mentorship to the student CBLC, as well as organises activities for their alumni members and the current student CBLC committee."

*Source: National University of Singapore. Faculty of Science. Science Computer-Based Learning Centre Home Page.
<http://scicblc.nus.edu.sg/alumni/index.php> (Accessed Aug 2009)*

- 1999** "The Faculty of Science established the Distinguished Science Alumni Awards in 1999 in conjunction with the Faculty's 70th Anniversary in recognition of alumni who have distinguished themselves in national leadership, service, research excellence or betterment and promotion of Science. In line with the growth and influence of the Faculty and its many and wide ranging disciplines the Faculty decided to also establish the Outstanding Science Alumni Awards with its celebration of the University's Centennial."

*Source: National University of Singapore. Faculty of Science Home Page.
<http://science.nus.edu.sg/alumni/awards/> (Accessed Aug 2009)*

- 1999** "The Faculty of Science celebrated its 70th anniversary [in 1999] with a public lecture by Nobel Laureate for Chemistry Lord George Porter, a Charity Walkarally and Science Quiz, and a gala dinner."

Source: National University of Singapore. Campus News, No. 143, 2000; p 5. [NUSL call no. LG399 NUS.CN]

- 1999** "... The Faculty of science introduced the Applied chemistry major earlier in 1997. This has been expanded and culminated in the award of the Bachelor of Applied science (B.Appl.Sc.) and B.Appl.Sc. (Honours) degrees in 1999 with the following majors: Applied chemistry, Applied Physics, Biotechnology, Food Science & Technology and materials science."

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 12. [NUSL call no. LG399 NUSFS.AR]

- 1999** "And in keeping with Singapore's development in the high-tech arena, a new module-Agrobiology and Biotechnology, was initiated in the academic year 1999-2000. This module covers various aspects, from traditional methods of farming to break-through revolutions in cloning technology and its social and industrial impact."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; pp 24-25. [NUSL call no. LG399 NUSFS.AR]
- 1999** "The Department of Biological Sciences (DBS) recently celebrated its 50th Anniversary in December 1999."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 26. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1999** "[The Department of Chemistry] launched two major educational initiatives in the new millennium – Chemistry with Management as a new major under the B.Sc. degree and Analytical Chemistry as a Graduate Diploma program. The former adds an option for those who are interested in Chemistry but seriously planning a career in corporate management. The latter gives an opportunity for the working professionals in the chemical industry and quality control sector to upgrade their skills. It is the first diploma program of the Department and a milestone in our effort towards continuing education for B.Sc graduates."
Source: National University of Singapore. Department of Chemistry. Annual Report, 1999/2000; p 1. [NUSL call no. LG399 NUSDC.AR]
- 1999** "The Department [of Chemistry] offers three Honours - track degree programmes at the undergraduate level - the Bachelor of Science in Chemistry, the Bachelor of Applied Science in Applied Chemistry and the Bachelor of Applied Science in Food Science and Technology. The last one is a faculty - wide discipline but spearheaded by the Department of Chemistry."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 47. [NUSL call no. LG399 Nusfs.Ol 2000]
- 1999** "... The Faculty of Science launched a new major, Mathematics with Management Science, on account of the subject's wide applications in a knowledge-based economy."
Source: National University of Singapore. Annual Report, 2000; p 27. [NUSL call no. LG399 NUS.AR]

- 1999** "Established in early 1999, the main activities of the Centre for Wavelets, Approximation and Information Processing include basic, applied and multidisciplinary research as well as software technology and systems development."
Source: National University of Singapore. Department of Mathematics. Annual Report, 2001-2002; p 6. Math
- 1999** "The Computational Finance major has been reviewed by a leading expert in financial mathematics, Professor Hans Foellmer of Humboldt Universität, Germany. Most of his recommendations have been incorporated into the Module."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 19. [NUSL call no. LG399 NUSFS.AR] Math
- 1999** "To cater to the needs of non-mathematics majors in the Faculty, the Department has introduced three new first-year modules to replace four old ones. The new modules are: 1. A Basic Mathematical Toolkit, 2. Calculus for Applications and 3). Algebra for Applications."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 27. [NUSL call no. LG399 NUSFS.AR] Math
- 1999** "Two work groups, namely the Linear Algebra and Calculus Work Groups, have also been formed to study and implement reforms on curriculum and teaching methods in these two crucial modules. The reforms will also include the training of selected honours and graduate students to help in laboratory and practical class sessions."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; pp 26-27. [NUSL call no. LG399 NUSFS.AR] Math
- 1999** "Completed in late 1997, the building [of Department of Pharmacy] was officially opened by Deputy Vice Chancellor Professor Hang Chang Chieh in February 1999."
Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science, 2000; p 75. [NUSL call no. LG399 Nusfs.Ol 2000] Pha
- 1999** "The Pharmacy Practice Preceptorship Programme was introduced in 1999 to provide an experiential learning platform for undergraduate pharmacy students to imbibe professional ethics and practices under the tutelage of experienced practitioners."
Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 5, No. 3, 2001; p. 11. [NUSL call no. LG399 CDTL] Pha

- 1999** "To provide practicing pharmacists a venue for self-improvement, the Department also runs a two-year Master in Pharmacy (Clinical Pharmacy) course. Six registered pharmacists enrolled in the course for the academic year 1999/2000."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 29. [NUSL call no. LG399 NUSFS.AR] Pha
- 1999** "The Department [of Physics] encourages the use of IT in teaching, and a number of physics modules have gone on-line. Video-taped conferences have also been placed on the web so that students can replay the lectures at any time."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 29. [NUSL call no. LG399 NUSFS.AR] Phy
- 1999** "The Department [of Statistics & Applied Probability] is ... developing a comprehensive biostatistics programme to meet the increasing demand from students. Biostatistics, which covers statistical studies used for collating information in areas such as public health and environmental conditions, is a field of science which has been gaining increasing a foothold in research programmes at major institutions around the world."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 30. [NUSL call no. LG399 NUSFS.AR] Stat
- 1999** "The Department [of Statistics] has drawn up a list of core requirements for its three graduate programmes. Two new graduate-level modules on probability and statistical inference have also been introduced."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 30. [NUSL call no. LG399 NUSFS.AR] Stat
- 2000** "[In 2000, the Faculty of Science has] 8 departments – Biological Sciences, Chemistry, Physics, Mathematics, Statistics & Applied Probability, Computational Science, Materials Science and Pharmacy – and offer two degrees – BSc (Pass and Honours) and B Appl Sc (Pass and Honours) – covering 21 majors in total. The newest majors are in Biomedical Science, Chemistry with Management, Food Science & Technology, and Statistics."
Source: National University of Singapore. Faculty of Science. Old memories - new challenges: A celebration of 70 years of commitment to science, 2000; p 24. [NUSL call no. LG399 Nusfs.Ol 2000] FOS
- 2000** "In line with its strategy to provide more broad-based training via cross- FOS

faculty training for undergraduates, the University will be introducing double-degree programmes from July 2000. Undergraduates can earn two degrees from separate faculties at the same time, completing both with 4½ to 5 years instead of 6 years as with the old system."

"Under the new system, an undergraduate can for instance, pursue a major in one of the Science disciplines, together with another in Business Administration. Students will be the ones who decide for themselves whether they want to take up the challenge of pursuing two degrees at the same time."

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; pp 17-18. [NUSL call no. LG399 NUSFS.AR]

2000 "Educational initiatives made in the year [2000] in this fast-growing area of new knowledge included the introduction of a Minor in Bioengineering focusing on the application of fundamental engineering principles to solve problems in biology and medicine."

Source: National University of Singapore. Annual Report, 2001; p 31. [NUSL call no. LG399 NUS.AR]

2000 "Starting in the new academic year 2000/2001, undergraduates from the Faculty of Science can opt for a Minor in Technopreneurship. This was introduced by the Centre for Management of Innovation and Technopreneurship (CMIT) in the academic year 1999/2000, and is aimed at cultivating technopreneurs by providing them some basic on startups."

Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 17. [NUSL call no. LG399 NUSFS.AR]

2000 "Starting Academic Year (AY) 2000/2001, a Photonics Specialists Manpower Programme will be made available to Level 3 students. This programme is initiated to address the expected shortage of manpower in the photonics industry."

Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 10. [NUSL call no. LG399 NUSFS.AR]

2000 "SCC3301: Scientific Data Management, Evaluation and Communications is one of the nine modules within the Minor in Scientific Computation and Multimedia Communications (SCMC) programme in the Science Faculty. Since its inception in 2000, it has benefited many Cross Faculty Module students."

Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 6, No. 2, 2002; p 10. [NUSL call no. LG399 CDTL]

- 2000** "The CHAOS [Creative & Heuristic Application of Science] programme [which was started in 2000] is a joint initiative of the Faculty of Science and the Gifted Education Branch of MOE, with the support of the Defence Science & Technology Agency and DSO National Laboratories. The competition is opened to all students who are currently enrolled in secondary school in Singapore ... It encourages the participants to integrate their knowledge of the various science disciplines and to instill confidence in applying scientific ideas in tackling real-life issues."
Source: National University of Singapore. Faculty of Science. OmniScience, Issue 6, 2008; p 11. [NUSL call no. LG399 NUSFS.OS] FOS
- 2000** "A thorough study was done by the Centre for Development of Teaching and Learning (CDTL) and a comprehensive teaching evaluation system based on an enhanced student feedback system and peer review will be implemented in 2000. The new system will give a more accurate assessment of teaching, and form the basis of a fairer scheme to reward staff for teaching excellence."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 20. [NUSL call no. LG399 NUSFS.AR] FOS
- 2000** "The Faculty of Science hosted the 2nd Universitas 21 Deans of Science Meeting from 25 to 27 May 2000 ... Over the three days the participants gave their views and discussed The Role of the Science Faculty in a Knowledge-Based Economy and Enhanced Cooperation and Development of Science among U21 Members. They looked into the possibility of signing MOUS with NUS ..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 75. [NUSL call no. LG399 NUSFS.AR] FOS
- 2000** "Science Vision (SF) was modified and renamed Science Focus in 2000."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 70. [NUSL call no. LG399 NUSFS.AR] FOS
- 2000** "The Student Ambassadors, who are members of the Science Club, have done well in promoting the faculty since their appointment was created in 2000. They assisted in outreach activities such as the APEC Youth Science Festival, the visit by MOE scholars and the Science and Technology Camp, by bringing visitors on a tour of the facilities, answering questions about the faculty and its programmes, and relating to the young visitors their own experience of studying in the Science Faculty."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 72. [NUSL call no. LG399 NUSFS.AR] FOS

- 2000** "Activities to promote Science to foreign students and teachers ... The Faculty has developed a good rapport with local schools and junior colleges and is recently more prepared to pursue students of foreign schools. A number of programmes have been initiated through the University to give foreign students and delegates an insight into Science education at NUS."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 71. [NUSL call no. LG399 NUSFS.AR] FOS
- 2000** "The Department of Biological Science introduced BL4104 – innovation and entrepreneurship in Biology in 2000. This module attempts to bridge the gap between knowledge acquisition and entrepreneurship, a quality that is emphasized in today's knowledge economy. This module is jointly taught by the Department of Biological Sciences and Department of Industrial and Systems engineering Experts from various disciplines share with students the critical issues that drive the commercialization of biotechnology."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 5. [NUSL call no. LG399 NUSFS.AR] Bio
- 2000** "The Protein and Proteomics Centre (PPC) was formerly the Bioscience Centre (BSC), established by the National University of Singapore (NUS) and the Economic Development Board (EDB) in 1993. After the EDB-funded phase, the centre changed its name in 2000 to reflect the new focus of the centre, which is now subsumed under the Department of Biological Sciences ... Its mission is to complement and enhance the research and training programmes of the NUS Life Sciences departments, with particular emphasis on proteomics, structural biology and functional genomics."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 29. [NUSL call no. LG399 NUSFS.AR] Bio
- 2000** "The Department of Chemistry is the anchor department for the B.Appl.Sc (Hons) degree in Food Science and Technology, a programme which has proven to be immensely popular with students ... This programme was introduced to meet the regional demand for food scientists and technologists with the appropriate skills, knowledge and ability to handle the sophisticated production of modern day foods."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 5. [NUSL call no. LG399 NUSFS.AR] Chem
- 2000** "The Kiang Ai Kim Professorship Fund was launched in honour of retired Emeritus Professor Kiang Ai Kim, former Dean of Science, for his Chem

contributions to NUS, particularly in the Department of Chemistry, and to chemistry education in Singapore and the region. Prof Kiang was the first Singaporean to be professor and Head of Chemistry at the University of Singapore in 1960 and was a pioneer in the field of natural plant products ... The sum of \$500,000 raised for the fund will be used to award scholarships to outstanding students to read chemistry at NUS, recognise deserving chemistry undergraduates through overseas exchange programmes and develop research contributions to the chemical and pharmaceutical industries as well as the life sciences."

Source: National University of Singapore. Campus News, No. 146, 2001; p 4. [NUSL call no. LG399 NUS.CN]

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|-------------|--|-----------|
| 2000 | <p>"NUS ChemConnections [was] established [in 2000] to provide a spine connecting our past, present and future. It is our family album, shared by our senior (the alumni), junior (current students), and the future generation (school students). It is a platform on which we can publicize our activities, discuss our developments, and ... develop our social contacts."</p> <p><i>Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Inaugural Issue 1/2000; p 1. [NUSL call no LG399 NUSDC.NC]</i></p> | Chem |
| 2000 | <p>"The septuagenarian Department of Chemistry held its first official Alumni get-together in February 2000."</p> <p><i>Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue 2/2000; p 4. [NUSL call no LG399 NUSDC.NC]</i></p> | Chem |
| 2000 | <p>"The 2000 Ang Kok Peng Memorial Fund commemorative ceremony was held on Monday, October 9, 2000 at Lecture Theatre 31, Faculty of Science, NUS."</p> <p><i>Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue 3/2000; p 6. [NUSL call no LG399 NUSDC.NC]</i></p> | Chem |
| 2000 | <p>"This Fund aims to support educational programmes and activities for the development of faculty, staff and students, in line with Dr Ang's work in chemistry education and research."</p> <p><i>Source: National University of Singapore. Department of Chemistry Home Page. http://www.chemistry.nus.edu.sg/graduates/AKP/memo.htm (Accessed Aug 2009)</i></p> | Chem |
| 2000 | <p>"[In 2000] the Department is developing plans to teach Materials Science ML1000, to provide junior college and second year students with supplementary science courses to strengthen the broad range of basic</p> | Mat
Sc |

knowledge needed to pursue a materials science degree. Third year students will spend one semester on industrial attachment, including a few who will secure attachments working overseas."

Source: National University of Singapore. Faculty of Science. Old Memories - New Challenges: A celebration of 70 years of Commitment to Science, 2000; p 58. [NUSL call no. LG399 Nusfs.Ol 2000]

- 2000** "The Institute for Mathematical Science (IMS) was launched officially on 1 July 2000. IMS is a University level institute, and its mission is to provide an international center of excellence in mathematical research, focusing on fundamental issues in and applications of the mathematical sciences ... The Department of Mathematics will work closely with IMS in fostering stronger links with overseas universities and institutes."

Source: National University of Singapore. Department of Mathematics. Annual Report, 2000/2001; p 1.

- 2000** "From July to October 2000, 29 students from the Department of Mathematics on the Computational Finance Major Industrial Attachment Programme gained first-hand working experience and invaluable knowledge at seven organizations which offered 11 projects. These organizations included AsianBourses.com, Beyond Financial Consulting, Centre for Financial Engineering (NUS), Credit Suisse, the Department of Information Systems (NUS), the Government of Singapore Investment Corporation and UOB Ltd."

Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 16. [NUSL call no. LG399 NUSFS.AR]

- 2000** "The newly launched major, Mathematics with Management Science, attracted a good response from the new intake (2000-2001). Cooperation in teaching between the Department of Mathematics and the Department of Decision Sciences is expected to increase with each department helping to teach some service courses in the other."

Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 8. [NUSL call no. LG399 NUSFS.AR]

- 2000** "Wavelets IDR Center - Through its researchers ... the Centre for Wavelets, Approximation & Information Processing (CWAIP), Department of Mathematics has established strong research collaborations with the Wavelets IDR Center, a consortium of 10 universities and research organizations including Princeton, Stanford, Caltech, Wisconsin-Madison and AT&T."

Source: National University of Singapore. Department of Mathematics. Annual Report, 2000/2001; p 16.

- 2000** "Temasek Laboratories, which is established in NUS with funding from the Defence Science and Technology Agency to conduct fundamental research in science and technology areas relevant to defence. Although it is not a component of the Department of Physics, but a staff member of Physics Department, Prof Lim Hock, is given the task of setting it up."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 64. [NUSL call no. LG399 NUSFS.AR] Phy
- 2000** "A Part-Time Programme by Coursework leading to an M.Sc. in Physics will be launched in 2000. It aims to give physics teachers and other professionals an opportunity to upgrade themselves. The programme will be run between two to eight semesters."
Source: National University of Singapore. Faculty of Science. Annual Report, 1999; p 29. [NUSL call no. LG399 NUSFS.AR] Phy
- 2000** "In 2000/2001, the Department offered four Cross-Faculty Modules (CFM), namely Great Ideas in Contemporary Physics, Understanding the Universe, Taming Chaos, and Einstein's Universe and Quantum Weirdness. These modules introduce modern theories and developments in physics to students, emphasizing exploration of new ideas and concepts rather than technical details."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 9. [NUSL call no. LG399 NUSFS.AR] Phy
- 2000** "The Department [of Statistics and Applied Probability] ... provides service teaching for the Faculty of Medicine, the Department of Pharmacy, the School of Design and Environment and the Department of Industrial and Systems Engineering. In the coming academic year, it will expand its role in service teaching to serve the Faculty of Business Administration and the Faculty of Dentistry."
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 10. [NUSL call no. LG399 NUSFS.AR] Stat
- 2000** "In the academic year 2000/2001, the Department of Statistics and Applied Probability introduced one new honours year module, Survey Sampling Theory, and two new graduate modules, Advanced Probability Theory and Advanced Statistical Theory. In 2000, the Department also proposed two General Education Requirement (GER) modules, one of which was accepted for implementation in the undergraduate curriculum in the year 2000/2001. The new GER module, Understanding Uncertainty and

Statistical Thinking, goes out to show what statistical thinking is, as H G Wells predicted, now as essential skill for every citizen to have.”

Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 10. [NUSL call no. LG399 NUSFS.AR]

- 2001** “Replacing the Talent Development Programme (TDP) will be the University Scholars Programme (USP), an enhanced version of the TDP which will be launched in July 2001. The USP is a four-year Honours Programme targeting the best and the brightest of students, who will be able to achieve intellectual broadening across disciplines, with flexibility in designing their own majors. The aim of the USP is to mould future leaders who can come up with fundamental ideas and other intellectual products, synergize as well as galvanize existing ideas and break new ground within and among disciplines.” FOS
- Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 22. [NUSL call no. LG399 NUSFS.AR]*
- 2001** “The Office of Life Sciences, set up in 2001 ...” FOS
- Source: National University of Singapore. Annual Report, 2008; p 26. [NUSL call no. LG399 NUS.AR]*
- 2001** "Life Sciences undergraduate Curriculum Implementation Committee set-up to implement the LS Curriculum which is to be jointly taught by the Faculties of Science and Medicine." Bio
- Source: [Hew, Choy Leong. National University of Singapore. Department of Biological Sciences. Head of Department. Proposal to set up Coordinating Committee, 27 February, 2004. Sent to Chong, Chi Tat. National University of Singapore. Provost.]*
- 2001** "Life sciences research at NUS has been given a boost with the Functional Genomics Laboratories launched recently by the Department of Biological Sciences (DBS). The spanking new \$2 million laboratories take the department a step nearer to its vision. The open-concept laboratories with state-of-the-art equipment for genomic research represent core facilities supporting research by life scientists." Bio
- Source: National University of Singapore. Knowledge Enterprise, Jul 2001; p 11. [NUSL call no. LG399 NUS.KE]*
- 2001** “The Raffles Museum of Biodiversity Research’s Public Gallery was officially opened by Minister for Education RAdm Teo Chee Hean on 15 June 2001.” Bio
- Source: National University of Singapore. Faculty of Science. Science NUS: Internal Bi-Monthly Newsletter, Faculty of Science, May/Jun 2001; p 2. [NUSL call no. LG399 NUSFS.SN]*
- 2001** “The new Food Science and Technology Suite, which is within the Chem

Department of Chemistry, was officially opened on 6 June 2001 by Mr Sidek Saniff, the Senior Minister of State for the Environment. This new facility, situated on level 6 of Block S3, comprises a food processing area, a food safety and quality laboratory, a taste panel area along with a graduate research laboratory, and staff offices for the FST staff."

Source: National University of Singapore. Faculty of Science. Science NUS: Internal Bi-Monthly Newsletter, Faculty of Science, Jul/Aug 2001; p 1. [NUSL call no. LG399 NUSFS.SN]

- 2001** "The Lucy and Alfred Wan Pharmacy Fund is to be established in the Department of Pharmacy, NUS [in 2001] in recognition of the distinguished services of Lucy and Alfred Wan to the Department of Pharmacy, NUS as teachers and leaders, educating a generation of Pharmacy graduates. A targeted sum of \$300,000 is to be raised over three years ... The main objectives of the Lucy & Alfred Wan Pharmacy Fund are ... support of alumni activities, promotion of educational activities [and] promotion of external relations with industry and educational institutes." Pha

Source: National University of Singapore. Department of Pharmacy Home Page. http://www.pharmacy.nus.edu.sg/alumni/lucyalfredfund_origin.htm (Accessed Aug 2009)

- 2001** "The Research Centre for Nuclear Microscopy (RCNM), of the Dept of Physics, NUS, was officially opened on 24 May 2001 by Mr Philip Yeo, Chairman of the National Science and Technology Board and Co-Chairman of the Economic Development Board. A range of interdisciplinary research projects is conducted in this centre, including biomedical science (nuclear microscopy investigations into degenerative diseases), material science (ion beam characterisation of advanced materials), micromachining of tiny devices (proton beam micromachining), and microphotonics (proton beam modifications of optical materials for micro-optical applications)." Phy

Source: National University of Singapore. Faculty of Science. Science NUS: Internal Bi-Monthly Newsletter, Faculty of Science, May/Jun 2001; p 1. [NUSL call no. LG399 NUSFS.SN]

- 2001** "In 2001/2002 ... the Department [of Physics] will be offering three new [General Education Requirement] GER modules: Physics in the Life Sciences, Introduction to the Nanoworld, and Science of Music. It is hoped that these...GER modules would introduce even more students to the fascinating world of physics, and serve to highlight the important place physics has in our modern society." Phy

Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 10. [NUSL call no. LG399 NUSFS.AR]

- 2001** “For 2001/2002, the Department also introduced PC 4250 Advanced Analytical Techniques at the 4000 level. This is a wholly continuous assessment module based on lectures, tutorials and practicals, and students will learn standard techniques in four broad areas of experimental physics. At the graduate level, the Department also introduced PC 5212 – Physics of Nanostructures. This is a timely new module in view of the current trend in nano-systems.”
Source: National University of Singapore. Faculty of Science. Annual Report, 2000; p 10. [NUSL call no. LG399 NUSFS.AR]
- 2002** "Nanoscience & nanotechnology has been predicted by scientists and entrepreneurs to be one of the key industries of the future. [NUS Nanoscience and Nanotechnology Initiative] NUSNNI was launched on 14th January 2002 as a response to the global trend. A joint effort of the Faculty of Science and Faculty of Engineering ... The NUSNNI strategic research areas include nanobiotechnology, nanoelectronics, nanophotonics, nanomagnetism, molecular self-assembly and devices, and nanostructures and nanomaterials. The research will have applications in biotechnology medicine, information and communication technology, semiconductors and engineering sciences."
Source: National University of Singapore. Faculty of Science. Annual Report, 2002; p 53. [NUSL call no. LG399 NUSFS.AR]
- 2002** "To further seek strategic, collaborative partnerships with renowned overseas institutions, faculty members have actively participated in the Overseas Attachment Programme (OAP) of the university in 2002. Faculty members have continued to strengthen ties with scientists in Japan under the NUS-JSPS New Scientific Exchange Programme (NSEP) of the university."
Source: National University of Singapore. Faculty of Science. Annual Report, 2002; p 71. [NUSL call no. LG399 NUSFS.AR]
- 2002** “Another new initiative that came on stream in the year was the General Education Requirement. It requires students to take up modules other than those offered by their discipline, giving impetus to the broadening of education at NUS. Designed to broaden student’s intellectual horizons and develop their critical thinking skills and articulacy, it took effect in six faculties.”
Source: National University of Singapore. Annual Report, 2002; p 29. [NUSL call no. LG399 NUS.AR]

- 2002** "In the academic year 2002/2003, the Faculty of Science in collaboration with the Faculty of Medicine will commence a new integrated undergraduate programme in Life Sciences. Designed to provide NUS undergraduates with fundamentals in biological and biomedical sciences, this curriculum will enable graduates to contribute to various life sciences initiatives in Singapore."
Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 6, No. 1, 2002; p 13. [NUSL call no. LG399 CDTL]
- FOS
Bio
- 2002** "The NUS Chemical Sciences programme is raised [in AY2002/03] jointly by the Departments of Chemical & Biomolecular Engineering (formerly Chemical and Environmental Engineering) and Chemistry in consultation with the Faculty of Engineering, Faculty of Science and the Life Sciences Undergraduate Programme Committee at the National University of Singapore."
"The objective of this program is to provide students with a strong and broad foundation in life and chemical sciences to pursue their undergraduate studies leading to a graduate programme and research in interdisciplinary areas such as medical chemistry, and other National University of Singapore Graduate School-approved life sciences-related graduate programmes."
Source: National University of Singapore. Department of Chemistry. Chemical Sciences Program Home Page. <http://www.chemicalscience.nus.edu.sg/> (Accessed Aug 2009)
- Chem
- 2002** "Chemistry Graduates Club (CGC) has its own home - Opening of the Chemistry Graduates Center [on] 25th January 2002."
Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue 6/2002; p 5. [NUSL call no LG399 NUSDC.NC]
- Chem
- 2002** "The Centre for Financial Engineering (CFE) was transferred in October 2002 to the Faculty of Science as a faculty-level centre, hosted by the Department of Mathematics. The Department plans to develop CFE into a self-funded centre to lead in multidisciplinary activities combining both theory in financial mathematics and practice in financial engineering."
Source: National University of Singapore. Department of Mathematics. Annual Report, 2002/2003; p 1.
- Math
- 2002** "[Centre for Industrial Mathematics formed in 2001] ... has also brought together the Faculty of Science, School of Computing, Faculty of Law, and industry practitioners from the Ministry of Home Affairs and the Monetary
- Math

Authority of Singapore to co-teach a new interesting General Education Module (GEM) on Introduction to Cybercrime in semester 1 of academic year 2002/03. This will be the first time that a GEM is taught in an interdisciplinary manner by both Faculties/School and industry experts in the area."

Source: National University of Singapore. Department of Mathematics. Annual Report, 2001/2002; p 2.

- 2002** "Hosted by the Department of Physics, the Temasek Professorship Programme in Quantum Information Technology aims to cover two areas: quantum computation and quantum cryptography. The programme, which covers both theoretical and experimental quantum information science, is directed by Temasek Professor, Prof Arthur Ekert. A new Quantum Information and Technology Laboratory (affectionately called "Quantum Lah" by the research group) will support the group's activities. There has been significant progress since its inception in February 2002. In quantum tomography and network, a simple quantum network has been constructed that can extract certain properties of quantum states without recourse to quantum tomography."
- Source: National University of Singapore. Faculty of Science. Annual Report, 2002; p 58. [NUSL call no. LG399 NUSFS.AR]*
- 2002** "... In our teaching of PC1431 "Physics IE" & PC1432 "Physics IIE" to as many as 1,500 first-year engineering students. To overcome this, we have adopted an online tutorial system where students are given weekly assignments to work on. Since the answers are submitted electronically and marked by the system, students can receive feedback instantaneously."
- "The weekly online tutorial assignment generates a lot of discussion among students, through which they gain a better understanding of the main principles. The system is popular amongst the students as it provides a means for them to confirm their answers and get instant feedback."
- Source: National University of Singapore. Centre for Development of Teaching and Learning. CDTLink, Vol. 8, No. 3, 2004; p 11. [NUSL call no. LG399 CDTL]*
- 2003** "A new Summer Intensive Graduate Course on Technopreneurship was made available as a cross-faculty module for graduate students from the Science and Engineering Faculties and the Schools of Computing and Business. This course is an extension of the Summer Technopreneurship Course that NUS Entrepreneurship Centre has conducted for Norwegian students at the invitation of the Norwegian School of Entrepreneurship. The course provides a unique platform for intellectual discourse between

students of both countries."

Source: National University of Singapore. Annual Report, 2003; p 34. [NUSL call no. LG399 NUS.AR]

- 2003** "A Master of Science in Bioinformatics brings an inter-disciplinary approach to life sciences education by integrating the teaching of computational, mathematical and physical sciences."
Source: National University of Singapore. Annual Report, 2003; p 25. [NUSL call no. LG399 NUS.AR] Bio
- 2003** "The Structural Biology Research Corridor was officially launched on November 2003 by the Acting Minister for Education, Mr. Tharman Shanmugaratnam."
Source: National University of Singapore. Department of Biological Sciences. Structural Biology and Proteomics Cellular and Molecular Biology, Biotechnology, Biodiversity and Ecology: Life Sciences, [2001]; p 46. [NUSL call no. LG399 Nusdbs.S 2001] Bio
- 2003** "Joint MSc programme in Industrial Chemistry with Technische Universitat Munchen."
Source: National University of Singapore. Annual Report, 2003; p 39. [NUSL call no. LG399 NUS.AR] Chem
- 2003** "One partnership that stands out for its scope and impact is the German Institute of Science and Technology (GIST). Officially opened in February 2003, GIST brings together NUS and Technische Universitat Munchen (TUM) to jointly offer graduate programmes, executive training and research opportunities. Set up with a strong industry focus and close links between its teaching and research strengths, GIST stands out as the biggest initiative established by a German university overseas. The programmes it offers are designed to meet the needs of globally-active companies. It started out the review year with an offering of master's programmes in Industrial Chemistry, and Industrial and Financial Mathematics."
Source: National University of Singapore. Annual Report, 2003; p 40. [NUSL call no. LG399 NUS.AR] Chem
- 2003** "A Diagnostic Test and Mathematical Support Centre has been set up to provide mathematical diagnosis for students and recommend remedial actions. It will initially serve the Department of Mathematics but will eventually serve the Faculty and the whole University community."
Source: National University of Singapore. Department of Mathematics. Annual Report, 2003/2004; p 3. Math

- 2004** "Launched in April 2004 as part of the Experimental Therapeutics Initiative by the Office of Life Sciences, the Medicinal Chemistry Program plays an integral role in drug discovery, providing the vital link between therapeutic target identification and the final delivery of drugs for preclinical trials. The program combines the expertise of 18 NUS researchers from the Biological Sciences, Chemistry and Pharmacy Departments (Faculty of Science), the Biochemistry and Pharmacology Departments (Faculty of Medicine), the Department of Chemical and Biomolecular Engineering (Faculty of Engineering), as well as industry players."
Source: National University of Singapore. Faculty of Science. Annual Report, 2004; p 38. [NUSL call no. LG399 NUSFS.AR]
- 2004** "With the strong support from the Faculty of Science, a joint [NUS Nanoscience and Nanotechnology Initiative – Materials science & Engineering Initiative] NUSNNI-MSEI laboratory (S7 ground floor) has been set up in early 2004 to promote collaborative research in nanoscience and materials science ... The NUSNNI-MSEI laboratory is open to all faculty members and staff for collaborative nano-related projects ..."
Source: National University of Singapore. Faculty of Science. Research Newsletter, Vol. 8, No. 1, 2004; p 1. [NUSL call no. LG399 NUSFS.R]
- 2004** "As computational biology and biophysics play an increasingly essential role in biomedical science - one of Singapore's key growth areas, the Faculty of Science has in the last few years taken strategic initiatives to develop greater competency in the two areas. It formed a computational biology cluster in 2004, which comprises 13 faculty members from the Departments of Computational Science, Statistics and Applied Probability, Mathematics, Biological Sciences and Physics. The same year, together with the School of Computing, it launched a 4-year B.Sc. computational biology program."
Source: National University of Singapore. Faculty of Science. Annual Report, 2004; p 43. [NUSL call no. LG399 NUSFS.AR]
- 2004** "Faculty of Science celebrated its 75th birthday at the Suntec City Ballroom on 9 October 2004."
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 2, No. 2-2, 2005; p 8.
- 2004** "As the Singapore-MIT Alliance enters its second phase, the Department of Biological Science has submitted a joint-proposal for graduate students to undergo training and research work under the Computation and Systems Biology Program with nine members from MIT and 19 from NUS and

various research institutes in Singapore participating in it, the program provides an excellent platform for research and the teaching of bioimaging, bioinformatics, biocomputing and tissue study. It will see its first intake of 10 PhD students in July 2005.”

Source: National University of Singapore. Faculty of Science. Annual Report, 2004; p 48. [NUSL call no. LG399 NUSFS.AR]

- 2004** “In recognition of the generous donation of the late Mr. Lee Hiok Kwee, and out of respect for his wishes, the National University of Singapore officially names Blk S1A at the Faculty of Science as the Lee Wee Kheng Building in honor of Mr. Lee’s father Mr. Lee Wee Kheng [in 2004].” Bio
- Source: National University of Singapore. Faculty of Science. Science Celebrates! 75th Anniversary: Faculty of Science, National University of Singapore, 2004, p 54. [NUSL call no. LG399 Nusfs.Sc 2004]*
- 2004** "Originally established in 2001, and at the time called the Functional Genomics Laboratories, these are located at BLK S3-102. In 2004, these laboratories were renamed as the Lee Hiok Kwee Functional Genomics Laboratories, in honor of a generous donation by the Lee Hiok Kwee family towards cutting-edge research in the Life Sciences. These are the first laboratories to adopt the open laboratory and core facility concept where several principal investigators work together in a state-of-the-art shared facility that boasts the latest in genomics and proteomics research." Bio
- Source: National University of Singapore. Department of Biological Sciences. Structural Biology and Proteomics Cellular and Molecular Biology, Biotechnology, Biodiversity and Ecology: Life Sciences, [2001]; p 46. [NUSL call no. LG399 Nusdb.S 2001]*
- 2004** "The Life Sciences Implementation Committee was formed in March 2001 under the Office of Life Sciences. The Life Sciences program has been successfully implemented now and with effect from AY2004/05 it will be fully in place" Bio
- Source: [Hew, Choy Leong. National University of Singapore. Department of Biological Sciences. Former Head of Department. Proposal to set up Coordinating Committee, 27 February, 2004. Sent to Chong, Chi Tat. National University of Singapore. Provost.]*
- 2004** “A major teaching partnership was formed in the year with a fellow member of the Association of Pacific Rim Universities (APRU). A joint degree agreement with the Australian National University gives NUS students a host of unique opportunities that combine the academic strengths of both universities. The comprehensive range of courses include ... a Joint degree in Physics.” Phy

Source: National University of Singapore. Annual Report, 2004; p 21. [NUSL call no. LG399 NUS.AR]

- 2004** "The Inaugural issue of the DSAP [Department of Statistics and Applied Probability] Newsletter [August 2004]."
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 1, No. 1, 2004; p 1. Stat
- 2004** "On 4 September 2004, the department [of Statistics and Applied Probability] (in conjunction with the Faculty of Science 75th Anniversary) organized its first Alumni Homecoming Day."
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 2, No. 2-2, 2005; p 7. Stat
- 2004** "This [Singapore Statistics Poster Competition] was held in conjunction with the National Science and Technology month, Science.04 for all junior college and upper secondary school students in Singapore ... The annual competition aims to increase student awareness of statistics, its relevance to scientific research, and the development of statistical reasoning in students."
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 1, No. 1, 2004; p 3. Stat
- 2005** "Starting out with the making of dual offers to successful applicants under the new admission policy, the University announced in the year plans to introduce five-year double degree programmes from July 2005 onwards. Kicking off this revolutionary change in the curriculum will be a double honours programme in economics and law leading to a Bachelor of Social Sciences (Honours) as well as a Bachelor of Laws (Honours). A double degree programme in physics and materials science and another in business administration and law are also on the drawing board."
Source: National University of Singapore. Annual Report, 2005; pp 30-31. [NUSL call no. LG399 NUS.AR] FOS
- 2005** "The SMA "Computational and Systems Biology" (CSB) PhD degree program combines the world-recognised CSBi program of the Massachusetts Institute of Technology (MIT) with the visionary biology, bioengineering, and biotechnology programs of NUS, NTU, and A*STAR research institutes. The interdisciplinary nature of the CSB degree program has a strong appeal for students interested in systems and computational approaches to stem cell and tissue biology. It encompasses topics in computational biology, systems biology, genomics, proteomics, and imaging theory and technology, several FOS
Bio

of which will be taught by teams of faculty members from MIT and Singapore. The program kicked off in June 2005 with its first intake of students from diverse backgrounds such as biology, physics, chemistry, computer science and engineering."

Source: National University of Singapore. Faculty of Science. Annual Report, 2004; p 42. [NUSL call no. LG399 NUSFS.AR]

- 2005** "2005 marked a watershed year when the Faculty involved its alumni in the University's annual discretionary admissions exercise. The Faculty admits up to 10% of its first year students based on discretion, in line with the University's practice of not focusing too rigidly on results, but to look for other qualities in its applicants from a holistic point of view. The Faculty firmly believes that an alumni perspective will greatly enhance its interview panels, coming in as it is, with their accumulated wealth of experience and expertise. In particular, it hopes to tap on their inputs on non-academic criteria that may influence the decision to admit such students – potential for leadership, entrepreneurship, contribution to society, personal achievement, etc. – which may be critical in producing successful graduates."

Source: National University of Singapore. Faculty of Science. OmniScience, Issue 1, 2005; p 3. [NUSL call no. LG399 NUSFS.OS]

- 2005** "The Faculty of Science held its first Alumni Family Day on 12 November 2005."

Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 4, No. 2-2, 2006; p 1.

- 2005** "On our Centennial year's [2005] Science Alumni Family Day, we are installing our Commemorative Boards to honour these Distinguished and Outstanding Alumni who have done their alma mater proud. Besides having these Honour Rolls here at the Faculty, special plaques will be put up at the respective departments."

Source: National University of Singapore. Faculty of Science. OmniScience, Issue 1, 2005; p 1. [NUSL call no. LG399 NUSFS.OS]

- 2005** "In a bold move away from tradition, the Faculty of Science introduced a new element in its Commencement Ceremonies by inviting a number of alumni to participate in the proceedings this year. In their Commencement addresses in each of the four ceremonies, the alumni, each in his or her own distinct way, reminded, encouraged and extolled the young graduates to embark on their careers with zest, while not forgetting to embrace and live their lives to the fullest. Sharing reminiscences of their undergraduate days

and young working lives, the speakers provided an inspiration and role model.”

Source: National University of Singapore. Faculty of Science. OmniScience, Issue 1, 2005; p 4. [NUSL call no. LG399 NUSFS.OS]

- 2005** "OmniScience - Inaugural Issue of Science Alumni Magazine ... The inaugural issue of the Science Alumni Magazine, OmniScience was launched during the Science Alumni Family Day on 12 November 2005. Through this magazine, alumni will be updated with the latest developments and events in the Faculty of Science." FOS
- Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 4, No. 2-2, 2006, p 7.*
- 2005** "... An on-going collaborative project between NUS and ExxonMobil to develop an integrated education and outreach program on nature and conservation in Singapore ... This public education project is supported by the ExxonMobil Biodiversity Fund, which was set up in December 2005 through a donation to RMBR to produce educational materials on nature and conservation for schools and the general public." Bio
- Source: National University of Singapore. Department of Biological Sciences. Raffles Museum of Biodiversity Research Home Page. http://rmbr.nus.edu.sg/exxonmobil/20081124_book_launch.php (Accessed Aug 2009)*
- 2005** "AAPS-National University of Singapore (NUS) Student Chapter, set-up by graduate students of the Department of Pharmacy on 02 August 2005, is a non-profit student organization. AAPS-NUS Student Chapter aims to facilitate local student awareness of career opportunities and latest advances and discoveries in the pharmaceutical sciences. AAPS-NUS Student Chapter will also provide students interested in the pharmaceutical sciences with opportunities for professional and leadership developments." Pha
- Source: National University of Singapore. Provost's Office. President's Quarterly Report, Jul/Sep, 2005; p 1.*
- 2005** "The Department of Materials Science in the Faculty of Science was transferred to the Faculty of Engineering in April 2005. It was renamed as the Department of Materials Science & Engineering and will admit its first batch of students for its new bachelor of engineering degree in Materials Science & Engineering in academic year 2005/2006." Mat
Sc
- Source: National University of Singapore. NUS Bulletin, 2005/2006; p 169. [NUSL call no. LG399 NUS.NB]*

- 2005** "The Department of Pharmacy, together with Yong Loo Lin School of Medicine and the Faculty of Dentistry, organized the Centennial Medical Dinner, which was held at the Istana on 03 July 2005."
Source: National University of Singapore. Provost's Office. President's Quarterly Report, Oct/Dec, 2005; p 3. Pha
- 2005** "Statistics Learning Centre ... was set up in February 2005 with the objective to help students who encountered problems in reading ST1000-level and selected ST 2000-level Statistics modules."
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 2, No. 2-2, 2005; p 6. Stat
- 2006** "Commencement 2006 saw the conferment of double degrees to NUS graduates of the French-NUS Double Degree Programme (DDP) for the first time. Since inception in 1998, 66 students from the Faculties of Engineering, Science and School of Computing have been admitted into the French-NUS DDP. Under this programme, NUS students spend their third and fourth years in a Grande Ecole."
Source: National University of Singapore. Knowledge Enterprise, Aug 2006; p 6. [NUSL call no. LG399 NUS.KE] FOS
- 2006** "... The Faculties of Engineering and Science joined forces to administer a new Engineering Science Programme to nurture a new breed of engineer-scientists."
Source: National University of Singapore. Annual Report, 2006; p 31. [NUSL call no. LG399 NUS.AR] FOS
- 2006** "The Bioinformatics Programme set up in the year, synergises capabilities and resources that stretch across the Schools of Computing and Medicine and the Faculties of Engineering and Science to conduct research in bioinformatics technologies and their applications to improve human life."
Source: National University of Singapore. Annual Report, 2006; p 33. [NUSL call no. LG399 NUS.AR] FOS
- 2006** "The establishment of the new Centre for Computational Science and Engineering (CCSE) [in 2006] will focus on the research and postgraduate students training. The Centre will foster the multidisciplinary research in basic and engineering sciences. The research to be conducted in this Centre will be focused on a few niche areas where NUS, in particular Faculty of Science, already has strength and international stature."
Source: National University of Singapore. Faculty of Science. Centre for Computational Science and Engineering Home Page. http://www.cse.nus.edu.sg/com_science/about_us/ (Accessed Aug 2009) FOS

- 2006** "The Outstanding Undergraduate Researcher Prize (OURP) was first launched by the Provost Office in AY2006/2007 as an annual university-wide competition to encourage research and to recognise the best undergraduate researchers in NUS."
Source: National University of Singapore. Faculty of Science Home Page. <http://science.nus.edu.sg/undergraduates/exam/ourp/> (Accessed Aug 2009)
- 2006** "The Faculty of Science has launched the Science Students Overseas Exposure Fund (SSOEF) [in May 2006] to help deserving needy students with their traveling and living expenses when they spend one or two terms overseas while getting their NUS degrees."
Source: National University of Singapore. Knowledge Enterprise, Oct 2006; p 9. [NUSL call no. LG399 NUS.KE]
- 2006** "In May 2006, the Faculty of Science and the Singapore Science Centre embarked on their first collaborative event – the exhibition "DINOSAURS! A T. rex named SUE and Friends" at the Singapore Science Centre Annexe. The exhibition consisted of travelling exhibits from The Field Museum in Chicago, U.S.A., the Monash Science Centre in Australia, and our own Raffles Museum of Biodiversity Research."
Source: National University of Singapore. Faculty of Science. OmniScience, Issue 5, 2007/2008; p 21. [NUSL call no. LG399 NUSFS.OS]
- 2006** "Special Programme in Mathematics (SPM) - This programme is specially designed for a select group of students who have a strong passion and aptitude for the mathematical sciences ... The programme consists of a number of specially designed modules ("S-modules") in foundational mathematics, which are taught in much greater depth and sophistication than their regular versions."
Source: National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/undergrad.aspx?file=stu-SPM> (Accessed Aug 2009)
- 2006** "The Dept [of Pharmacy] has formed a student chapter with International Society for Pharmacoeconomics and Outcomes Research (ISPOR), which is based in USA. We are one of the only two institutions in Asia that have a student chapter with ISPOR ... ISPOR is an international organization promoting the science of pharmacoeconomics and health outcomes research."
Source: National University of Singapore. Provost's Office. President's Quarterly Report, Oct/Dec, 2006; p 1.

- 2006** "The biophysics Minor Programme is jointly offered by the Department of Physics and the Office of Life Sciences for students matriculated in and after AY2006/07."
Phy
Source: National University of Singapore. Department of Physics Home Page. http://www.physics.nus.edu.sg/corporate/student/minor_biophysics.html (Accessed Aug 2009)
- 2006** "The inaugural 2006 Statistics Enrichment Camp was held on 6 June 2006 for secondary and junior college students and teachers in Singapore. This camp was organized by the Department of Statistics and Applied Probability (DSAP) with support from Pearson Education South Asia, IKEA Singapore and Faculty of Science, NUS. The objective of the camp was to provide students with a deeper understanding of Statistics and its application to solve real world problems."
Stat
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 5, No. 1-2, 2006; p 3.
- 2007** "On 20 March 2007, a T. rex Footprint Path was unveiled at the entrance of the Faculty of Science Dean's Office building to honour founding donors of the Science Student Overseas Exposure Fund ... This grant goes towards an endowment fund that provides support for Science in perpetuity."
FOS
Source: National University of Singapore. Faculty of Science. OmniScience, Issue 4, 2007; p 10. [NUSL call no. LG399 NUSFS.OS]
- 2007** "In September 2007, the Faculty received a large donation from the Estate of the late C J Koh. With this gift, the [Science Student Overseas Exposure Fund] SSOEF was able to create an endowed fund of \$335,000 from the three largest SSOEF donations received thus far."
FOS
Source: National University of Science. Faculty of Science Home Page. <http://www.science.nus.edu.sg/aboutfos/giving/SSOEF%20report%202008%20Final.pdf> (Accessed Aug 2009)
- 2007** "A new double degree programme in Law and Life Sciences launched in July [2007], the programme will enable students to discover the broad connections between law and life sciences. The programme will cut across many research areas including biotechnology, bioethics, environmental regulation, forensic science, and the protection of intellectual property."
FOS
Source: National University of Singapore. Knowledge Enterprise, Mar 2007; p 2. [NUSL call no. LG399 NUS.KE]

- 2007** "The Faculty of Science is proud to be the exhibit sponsor of "China: 7000 Years of Innovation" being held in the Singapore Science Centre that showcases areas in which the Chinese played pioneering roles."
Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue 14/2007; p 3. [NUSL call no LG399 NUSDC.NC]
- 2007** "NUS Quantitative Finance Club (QF Club) founded in 2007 under the Department of Mathematics, Faculty of Science, National University of Singapore, we aim to provide welfare to our members and fellows."
Source: National University of Singapore. NUS Quantitative Finance Club Home Page. http://www.qfnus.com/?page_id=4 (Accessed Aug 2009)
- 2007** "At its second meeting in mid-March, the Research, Innovation and Enterprise Council (RIEC), chaired by the Prime Minister, approved ... NUS' proposal in Quantum Information Science and Technology (QIST) ... [as] the first Research Centre of Excellence (RCE) to be set up with co-funding from the National Research Foundation (NRF) and MOE."
Source: National University of Singapore. Office of the President. President's Circular, Circular Number 2007-01. https://staffweb.nus.edu.sg/p_intranet/Presidents%20Ciculars/2007-01.pdf (Accessed Aug 2009)
- 2007** "NUS and the Waseda University signed a double degree programme (DDP) agreement on October 2007, which provides opportunities for up to 5 students of NUS' University Scholars Programme and Waseda University's School of International Liberal Studies (SILS) students to study at the partner institution. The participating NUS faculties in the DDP are the Faculty of Arts & Social Sciences and the Faculty of Science."
Source: National University of Singapore. University Scholars Programme Home Page. http://www.usp.nus.edu.sg/cultural_immersion/waseda/intro.html (Accessed Dec 2009)
- 2008** "The Science Student Fund (SSF) was started in 2008. It is administered by the Faculty of Science Dean's Office for Science students with financial difficulties or concerns. [It is supported with funds from the Science Dean's Office and generous donations from faculty, alumni and friends]."
Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/aboutfos/giving/SSF.html> (Accessed Aug 2009)
- 2008** "The Office of Life Science ... was repositioned as the Life Sciences Institute (LSI). It continues to facilitate multidisciplinary life sciences research among

the five core faculties: Engineering, Science, Medicine, Dentistry and Computing, as well as other affiliated institutions."

Source: National University of Singapore. Annual Report, 2008; p 26. [NUSL call no. LG399 NUS.AR]

- 2008** "The University's first international joint minor programme, a collaboration between the NUS Faculty of Science and the University of Toronto, will commence in the Academic Year 2008/2009." FOS
Source: National University of Singapore. Annual Report, 2008; p 33. [NUSL call no. LG399 NUS.AR]
- 2008** "HSBC launched a community initiative at Pulau Semakau with the Raffles Museum of Biodiversity Research (RMBR), NUS. The bank made a \$600,000 gift to support a three-year undertaking to promote and conserve the intertidal shores of Pulau Semakau through a dedicated programme of outreach and research activities involving volunteers." Bio
Source: National University of Singapore. Knowledge Enterprise, Feb 2009; p 4. [NUSL call no. LG399 NUS.KE]
- 2008** "An online journal on the flora and fauna of Singapore by the Raffles Museum of Biodiversity Research [1st published in 2008]." Bio
Source: National University of Singapore. Department of Biological Sciences. Raffles Museum of Biodiversity Research Home Page. <http://rmbn.nus.edu.sg/nis/bulletin2008.php> (Accessed Aug 2009)
- 2008** "The Statistics Consulting Centre of the Department of Statistics and Applied Probability is pleased to announce the creation of the Statistics Advice Centre [in AY 2008/09]. The Statistics Advice Centre is a free, advisory service available to all researchers (staff and students) at the National University of Singapore to discuss matters of a statistical nature." Stat
Source: National University of Singapore. Department of Statistics and Applied Probability Home Page. http://www.statistics.nus.edu.sg/consult_%20StatisticsAdviceCentre.htm (Accessed Aug 2009)
- 2008** "The Department of Statistics and Applied Probability is celebrating its 10th anniversary this year [2008]." Stat
Source: National University of Singapore. Department of Statistics and Applied Probability. Newsletter, Vol. 8, No. 2-2, 2008; p 1.
- 2008** "The MSc (Pharmaceutical Sciences and Technology) programme was launched in August 2008." Pha
Source: National University of Singapore. Department of Pharmacy Home Page. <http://www.pharmacy.nus.edu.sg/about/history.html> (Accessed Apr 2010)

- 2009** "NUS will conduct a minor programme in forensic science from January 2009. An agreement was signed between the Health Science Authority (HSA) and the University (18 Nov) to facilitate this course which will be the first of its kind in Singapore, with formal training conducted by practising forensic scientists from HSA. Other partners for the programme include the Attorney-General Chambers, Ministry of Defence, Criminal Investigation Department and Home Team Academy of the Singapore Police."
Source: National University of Singapore Home Page. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/1108/lty_forensic11-08.php (Accessed Aug 2009)
- 2009** "The faculty [of Science] comprises of 6 departments: Biological Sciences, Chemistry, Mathematics, Pharmacy, Physics, Statistics and Applied Probability."
Source: National University of Singapore. Faculty of Science Home Page.
<http://science.nus.edu.sg/prospective/undergraduates/> (Accessed Aug 2009)
- 2009** "The Faculties of Science at National University of Singapore (NUS) and the University of New South Wales (UNSW), the University of Toronto (U of T), the University of Waterloo (UW) and the University of California, Los Angeles (UCLA) jointly collaborate in offering Summer Programmes for each universities' students. This short term exchange programme is hosted by each university in turn and is a multidisciplinary programme involving participation from various departments spanning across Faculties/Schools at NUS, UNSW, U of T, UW and UCLA." "This May/June 2009, U of T and UCLA respectively will run its programme for the fourth time. NUS Science students will have the wonderful opportunity to broaden your horizons in Canada or United States without disrupting academic schedules."
Source: National University of Singapore. Faculty of Science Home Page.
<http://www.science.nus.edu.sg/undergraduates/curriculum/abroad/summer/> (Accessed Aug 2009)
- 2009** "All three faculties [Faculty of Arts and Social Sciences, Faculty of Dentistry and Faculty of Science] have grown in size since they were first established. The Faculty of Science has grown to be the largest faculty in NUS with a total of 6,000 undergraduate and graduate students."
Source: National University of Singapore. Knowledge Enterprise, Mar 2009; p 2. [NUSL call no. LG399 NUS.KE]
- 2009** "The Joint Master of Science Degree Programme in Science Communication will be offered by Australian National University (ANU) and National

University of Singapore (NUS) from January 2009.”

“Combining the competences of both universities, the programme targets science teachers in secondary schools and junior colleges in Singapore, as well as those in areas of education, policy-making and journalism that are science related.”

Source: National University of Singapore. Faculty of Science Home Page.
<http://www.science.nus.edu.sg/graduates/coursewkprog/scicomprog.html>
(Accessed Aug 2009)

2009 "Food Science and Technology Programme [held its] 10th Anniversary Celebrations on 10-16 May 2009." Chem

Source: National University of Singapore. Food Science and Technology Programme Home Page.
<http://www.fst.nus.edu.sg/10thAnniversary/10thAnniversary.html> (Accessed Aug 2009)

2009 "The Master of Science in Quantitative Finance is a programme designed for students with a strong background in the mathematical sciences who wish to enhance their professional skills and qualifications in quantitative finance at postgraduate level. The programme may be completed in one year of full-time study or two to four years of part-time study. The programme is offered by the Department of Mathematics with the cooperation of the Department of Economics and the Department of Statistics and Applied Probability." Math

Source: National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/GPMQF.aspx> (Accessed Aug 2009)

2009 “Students, faculty members and alumni gathered to commemorate the 80th anniversary of three NUS faculties - Faculty of Arts and Social Sciences, Faculty of Dentistry and Faculty of Science at the Shaw Foundation Alumni House (27 Feb 2009).” FOS

Source: National University of Singapore Home Page. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/0309/bash_02Mar09.php (Accessed Aug 2009)

2009 “A new postgraduate coursework programme that leads to the conferment of the Doctor of Pharmacy (PharmD) degree admitted its first cohort of students in Academic Year 2009/2010. Conceived and designed by NUS Department of Pharmacy faculty members, the programme aims to address the gaps in advanced clinical knowledge among pharmacists who hold basic degree in Pharmacy.” Pha

Source: National University of Singapore. Department of Pharmacy Home Page.
<http://www.pharmacy.nus.edu.sg/prospective/PharmD/inauguralclass.html>

(Accessed Aug 2009)

- 2009** "Discoveries in Science Exhibition for the Faculty of Science 80th Anniversary' on 27 Feb – 15 Mar 09 at UCC - Over the past years, NUS Faculty of Science has become a powerhouse of research and development. This exhibition features some of the discoveries and inventions that have come from the great minds that make up NUS Faculty of Science."
Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/80/index.html#> (Accessed Aug 2009)
- 2009** "Dinner With A Difference. Mark our [Faculty of Science] 80th Anniversary by MAKING A DIFFERENCE – a difference in the lives of our needy and deserving students. [date 24 October 2009, 6:30pm, the Grand Ballroom Sheraton Towers, Singapore]
Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue 1, Oct/2009; p 16. http://www.science.nus.edu.sg/alumni/omniscience/E-OmniSci_Oct09.pdf (Accessed Jan 2010)
- 2009** "This year (2009) is a very important and fruitful year for LSS [Life Sciences Society] as we have just officially changed our name from the previously Biological Sciences Society (BSS) to Life Sciences Society in March! An inauguration ceremony was held in conjunction with the Life Sciences Specialization Talk recently in October in LT32..."
Source: National University of Singapore. Department of Biological Sciences. Life Sciences Society Home Page. <http://community.nus.edu.sg/lss/#> (Accessed Jan 2010)
- 2009** "To this end, plans for the establishment of the Research Centre of Excellence (RCE) in Mechanobiology were announced on 21 February 2009. The RCE for Mechanobiology is the 4th RCE in Singapore."
Source: National University of Singapore. Faculty of Science. Annual Report, 2008/2009; p 33. (NUSL call no. LG399 NUSFS.AR 2008/09)
- 2009** "The First Singapore Conference on Statistical Finance, organised jointly by the Saw Centre for Financial Studies, Department of Statistics and Applied Probability (DSAP), and Department of Statistics and Actuarial Science, University of Hong Kong, was held on 16 Oct 2009 at NUSS Kent Ridge Guild House."
Source: National University of Singapore. Department of Statistics and Applied Probability Home Page. <http://www.stat.nus.edu.sg/Web/events/StatisticalFinanceConference.html>

(Accessed Feb 2010)

- 2009** "The Statistics Advice Centre will operate from 18 August 2009 onwards. The centre offers free, advisory service to all NUS researchers (staff and students) to discuss matters of a statistical nature."
Source: National University of Singapore. Department of Statistics and Applied Probability Home Page.
http://www.stat.nus.edu.sg/Web/consulting/consult_StatisticsAdviceCentre.html (Accessed Feb 2010) Stat
- 2010** "In order to achieve the goal of grooming effective TAs [Teaching Assistants], DBS [Department of Biological Sciences] introduced the revamped BL5211 module "Teaching in Biology" in Semester 1, Academic Year 2009/10. BL5211 is designed to help postgraduate students acquire the theories and skills needed to be effective teachers...BL5211 also emphasises how as TAs, they can best help undergraduates develop cognitive skills (with appropriate affective qualities), which are required at the tertiary level."
Source: National University of Singapore. Centre for Development of Teaching and Learning Home Page. e-CDTLink, Vol. 14, No. 1, January/February 2010.
<http://www.cdtl.nus.edu.sg/link/feb2010/ta1.htm> (Accessed Feb 2010) Bio
- 2010** "...a pilot session on PA [physical assessment] was conducted as part of a core fourth year undergraduate pharmacy module. The goal of this project was to evaluate the feasibility of incorporating PA teaching and practical activity into an undergraduate pharmacy curriculum...Overall, the implementation of this pilot PA session was a success. From this experience, it was worthwhile designing and implementing an elective course on fundamental physical assessment techniques at NUS..."
Source: National University of Singapore. Centre for Development of Teaching and Learning Home Page. e-CDTLink, Vol. 14, No. 1, January/February 2010.
<http://www.cdtl.nus.edu.sg/link/feb2010/tm3.htm> (Accessed Feb 2010) Pha
- 2010** "22 colleagues from various faculties including those of Science, Engineering and Dentistry attended the first run of the PDP-T [Professional Development Programme (Teaching)] for 2010 on 6-8 January. The programme covered topics which colleagues new to teaching would find helpful, including tips on how to manage large classes, what you need to give a good presentation and how to provide students with good feedback on their assignments and projects."
Source: National University of Singapore. Centre for Development of Teaching and Learning Home Page. e-CDTLink, Vol. 14, No. 1, January/February 2010.
<http://www.cdtl.nus.edu.sg/link/feb2010/news2.htm> (Accessed Feb 2010) FOS

- 2010** "Clinical Pharmacy Residency Programme [2010] - The goals and objectives of this ... programme are aligned with the standards established by American Society of Health-System Pharmacists (ASHP) for specialized residency training, as well as the supplemental standard..."
Pha
Source: National University of Singapore. Department of Pharmacy Home Page.
<http://www.pharmacy.nus.edu.sg/prospective/clinpharmresid/> (Accessed Feb 2010)
- 2010** "The Science/Medical Library spent the year documenting the history of the Faculty [of Science] and presented their findings in a seminar called "Celebrating a Legacy of Knowledge Creation [date 14 October 2009]", which drew a sizable crowd from the academic community..."
FOS
Source: National University of Singapore. Faculty of Science Home Page.
e-OmniSci, issue 2, Jan/2010; p 2.
<http://www.science.nus.edu.sg/alumni/omniscience/E-OmniSciJAN10.pdf> (Accessed Mar 2010)
- 2010** "The Faculty of Science started planning these updating workshops long before this survey and in Sep 2009, we launched the first of these Math and Science UPDATES teachers' workshops."
FOS
Source: National University of Singapore. Faculty of Science Home Page.
e-OmniSci, issue 2, Jan/2010; p 13.
<http://www.science.nus.edu.sg/alumni/omniscience/E-OmniSciJAN10.pdf> (Accessed Mar 2010)
- 2010** "... The Department has recently introduced the Arthur Rajaratnam Prize which recognises students who have excelled at their experimental training during their coursework in physics...The Prize is named in honour of retired Prof Arthur Rajaratnam who headed the Department from 1969 to 1982..."
Phy
Source: National University of Singapore. Development Office Homepage.
<http://giving.nus.edu.sg/news/detail/nurturing-a-passion-for-physics/> (Accessed Mar 2010)
- 2010** "...We have recently published the annual issue of our magazine [09/10 issue], The Mudskipper, which also happens to be the first time we have printed it completely in colour..."
Bio
Source: [Ho, Jonathan. National University of Singapore. Life Science Society. Publication subcommittee. Email to Science Library, 20 April, 2010. Sent to Science Library. National University of Singapore. Medical/Science Library.]
- 2010** "...The Mudskipper has evolved to become both an online (link to website) and printed compilation of fascinating articles, quizzes and happenings."
Bio

Source: National University of Singapore. Department of Biological Sciences. Life Sciences Society Home Page.
<http://community.nus.edu.sg/lss/mudskipper.html> (Accessed May 2010)

- 2010** "The NUS Department of Pharmacy held its first "Educating Pharmacists @ Asia" symposium, bringing together 14 leading experts from nine universities to share insights on "Educating Future Pharmacists for Patient-Centric Services and Research". This two-day symposium from 15 to 16 April 2010 marked the 105th year of Pharmacy education in Singapore [Department of Pharmacy 105th anniversary]. [The Guest of Honour was Ms Yong Ying-I, the Permanent Secretary of the Ministry of Health."].
Source: National University of Singapore. Newshub-NUS' News Portal Home Page. Knowledge Enterprise Online, Vol.9, No.10, May/June 2010; p 12.
<http://newshub.nus.edu.sg/ke/1005/MayJune10.pdf#zoom=125&nameddest=story4> (accessed Jul 2010)
- 2010** "NUS, Peking University and the University of Oxford jointly launched a S\$63 million five-year initiative to promote research, education and commercialisation of environmental and water technologies. Officiating the launch of the "Singapore, Peking and Oxford Research Enterprise (SPORE) for Water Eco-Efficiency" on 30 June 2010...SPORE is headed by Prof Sam Li from NERI and the NUS Department of Chemistry."
Source: National University of Singapore. Newshub-NUS' News Portal Home Page. Knowledge Enterprise Online, Vol.10, No.02, Aug 2010; p 6.
<http://newshub.nus.edu.sg/ke/1008/Aug10.pdf#zoom=125&nameddest=story4> (Accessed Aug 2010)
- 2010** "The Institute for Mathematical Sciences at NUS announced the set-up of the Asian Initiative for Infinity (AII) at its 10th anniversary celebrations on 24 June 2010. The AII is funded through an endowed gift of S\$1.4 million from the John Templeton Foundation, and is eligible for the dollar-for-dollar matching fund from the Singapore Government."
Source: National University of Singapore. Newshub-NUS' News Portal Home Page. Knowledge Enterprise Online, Vol.10, No.02, Aug 2010; p 4.
<http://newshub.nus.edu.sg/ke/1008/Aug10.pdf#zoom=125&nameddest=story4> (Accessed Aug 2010)
- 2010** "The Mechanobiology Institute (MBI) at NUS, one of Singapore's five national-level Research Centres of Excellence (RCE), was officially opened on 6 October 2010. Established in 2009, MBI focuses on the quantitative and systematic understanding of basic biological functional processes in living cells. "
Source: National University of Singapore. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/1010/mech_08Oct10.php (Accessed Oct

2010)

- 2010** “...the Life Sciences Program offers students the option of specializing in the environmental aspects of modern biology. This new Environmental Biology specialization involves the study of the functioning of organisms, populations, communities and their habitats...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2009/2010; p 17. (NUSL call no. LG399 NUSFS.AR 2009/10)
- 2010** “For the first time, the FoS Summer Program welcomed students from Technologico de Monterrey, Mexico. The Field Studies in Biodiversity module, the highlight of the FoS Summer Program held from 21 June to 23 July 2010...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2009/2010; p 19. (NUSL call no. LG399 NUSFS.AR 2009/10)
- 2010** “NUS-Imperial Joint PhD...The NUS-Imperial Joint PhD, offered by NUS and Imperial College London is aimed at those who desire a joint degree from two leading universities or whose research would benefit from the expertise of the two academic research groups with complementary strengths or engaged in an inter-disciplinary collaboration. Students spend half of their time at each institution. The first cohort of students was admitted in AY2010/2011...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2010/2011; p.34.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Nov 2011)
- 2010** “Concurrent Degree Program between Faculty of Science, NUS and Department of Biomedical Sciences, King’s College London. Designed as a four-year program, this course of study leads to a NUS B.Sc. (Hons.) in Life Sciences and a King’s College London (KCL) M.Res. in Molecular Biophysics...It is a joint effort harnessing the synergy between the two institutions in the field of Biophysics, specifically the complementary strengths and expertise of the prestigious Randall Division of Cell & Molecular Biophysics in KCL, and the Research Centre of Excellence (RCE) in Mechanobiology and Centre for BioImaging Sciences in NUS...The concurrent degree program is set to admit current life Sciences students in AY2010/2011.”
Source: National University of Singapore. Faculty of Science. Annual Report, 2009/2010; p 17. (NUSL call no. LG399 NUSFS.AR 2009/10)

- 2010** "NUS Launches Asia's first PhD-MBA PROGRAMME - The National University of Singapore (NUS) will be offering Asia's first joint PhD-MBA Programme aimed at equipping science and engineering graduate students with research and entrepreneurial skills. The programme will commence in August 2011...the joint programme by the NUS Graduate School for Integrative Sciences and Engineering (NGS) and NUS Business School is designed to train entrepreneurs and business leaders with a strong foundation in cutting-edge research in the fields of Science, Engineering and Medicine...Participating students will pursue a PhD in Science, Engineering and Medicine..."
Source: National University of Singapore. Newshub-NUS' News Portal Home Page.
<http://newshub.nus.edu.sg/pressrel/1011/101104.php> (Accessed Dec 2010)
- 2011** "The NUS Centre for Sciences (CBIS) was officially opened on 6 December 2010 by Guest-of-Honour Mr Lim Chuan Poh, Chairman of Singapore's Agency for Science, Technology and Research ... Led by Prof Paul Matsudaira, Head of the NUS Department of Biological Sciences and Co-Director of the Mechanobiology Institute (MBI), Singapore, CBIS brings together an interdisciplinary group of biologists, chemists, computer scientists, physicians and engineers from the NUS Faculties of Science and Engineering, Duke-NUS Graduate Medical School and the Mechanobiology Institute, Singapore..."
Source: National University of Singapore. Newshub-NUS' News Portal Home Page. Knowledge Enterprise Online, Vol.10, No.06, Jan 2011; p5.
<http://newshub.nus.edu.sg/ke/1101/Jan11.pdf#zoom=125&nameddest=story5> (Accessed Feb 2011)
- 2010** "15 - 17 November 2010 1st International Collaborative and Cooperative Chemistry Symposium, Department of Chemistry..."
Source: National University of Singapore. Faculty of Science Home Page. Annual Report, 2010/2011; p 128.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (accessed Nov 2011)
- 2011** "The Department of Biological Sciences at NUS has thrown its weight behind this endeavour with the Rice Research and Development Project, which has received its first gift from the Lee Foundation."
Source: National University of Singapore. Newshub-NUS' News Portal Home Page. Knowledge Enterprise Online, Vol.10, No.06, Jan 2011; p8.
<http://newshub.nus.edu.sg/ke/1101/Jan11.pdf#zoom=125&nameddest=story5> (Accessed Feb 2011)

- 2011** "18 - 19 November 2010 First Singapore Conference on Statistical Science and Applied Probability, Department of Statistics..."
Source: National University of Singapore. Faculty of Science Home Page. Annual Report, 2010/2011; p 128.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Nov 2011)
- 2011** "The NUS Faculty of Science (FoS) has received a generous donation from the Tan Ean Kiam Foundation which will contribute to scholarship funding for the Tan Ean Kiam Graduate Fellowship in Science commencing in 2013. The prestigious scholarship will be awarded to one deserving PhD graduate every four years. The signing ceremony that was held at NUS' Shaw Foundation Alumni House..."
Source: National University of Singapore. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/0211/tekf_09Feb11.php (Accessed Feb 2011)
- 2011** "Bachelor of Environmental Studies Programme... The Bachelor of Environmental Studies programme is a new four-year direct Honours programme launched in AY2011/12. This is a truly interdisciplinary programme offered jointly by the Faculty of Science (FoS) and Faculty of Arts and Social Sciences (FASS) with participation from the Faculty of Engineering, Faculty of Law, School of Design and Environment, NUS Business School, Yong Loo Lin School of Medicine and the Lee Kuan Yew School of Public Policy..."
Source: National University of Singapore. Faculty of Science Home Page. Annual Report, 2010/2011; p.26.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Nov 2011)
- 2011** "Forensic Science and Analytical Toxicology - A Collaboration with King's College London (KCL)...Exciting opportunities of Summer Research at the prestigious Forensic Science and Analytical Toxicology Laboratories at King's College London (KCL) were introduced in June-July 2011. For the first time, these laboratories in KCL have invited Science students with a passion in forensic science and analytical toxicology to work on research projects alongside their faculty members and postgraduate students..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2010/2011; p 26.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Oct 2012)

- 2011** "Field Studies in Neotropical Ecosystems – A joint module with University of Costa Rica LSM3263 Field Studies in Neotropical Ecosystems is the first initiative undertaken by NUS to develop a joint module with the University of Costa Rica (UCR). The planning for this programme commenced more than a year ago with the objective of leveraging on expertise from both universities. The module crystallised as part of an intensive six-week Summer Programme in Tropical Biology and Conservation, introduced in June 2011 and conducted entirely in Costa Rica..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2010/2011; p 28.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Oct 2012)
- 2011** "Memorandum of Understanding (MOU) and Agreement for Academic Exchange and Co-operation with La Trobe University... A MOU between the Faculty of Science and the College of Science & Technology, La Trobe University, Australia was signed on 10 May 2011, effective for 5 years. This includes academic staff exchanges, student exchanges as well as other kinds of cooperation which both parties may agree to..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2010/2011; p 30.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Oct 2012)
- 2011** "Integrated Science Curriculum for Special Programme in Science... To further strengthen the programme, an Integrated Science Curriculum (ISC) was introduced in the new academic year which commenced in August 2011, to integrate knowledge from various relevant scientific disciplines... The ISC comprises four specially designed, thematic modules integrating Biology, Chemistry, Mathematics and Physics and two research-oriented modules..."
Source: National University of Singapore. Faculty of Science Home Page. Annual Report, 2010/2011; p 30.
<http://www.science.nus.edu.sg/aboutfos/LRes%20%28for%20website%29.pdf> (Accessed Nov 2011)
- 2011** "CZ1102 [module] will no longer be offered after AY2010/11... New module [will be offered]: MA5216..."
Source: National University of Singapore. Department of Mathematics Home Page.
<http://ww1.math.nus.edu.sg/undergrad.aspx?file=stu-currupdates> (Accessed Jun 2011)
- 2011** "NUS researchers from the Department of Biological Sciences spearheaded a

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Math

Bio

bold book project to consolidate almost 200 years of studies on Singapore's natural history. This first-ever comprehensive reference work entitled "Singapore Biodiversity – An Encyclopedia of the Natural Environment and Sustainable Development" was launched on 18 July 2011 by NUS Chancellor and Singapore President S R Nathan..."

Source: National University of Singapore. Newshub-NUS' News Portal Home Page.

http://newshub.nus.edu.sg/headlines/0711/book_19Jul11.php (Accessed Jul 2011)

- 2011** "Under the National Research Foundation's (NRF) Competitive Research Programme (CRP) Funding Scheme, three future food research projects have recently been awarded grants of up to S\$10 million each. Two of them are from the NUS Department of Biological Sciences...The two successful proposals from NUS are titled "Rice for the Future: Novel Strategies to Develop Elite and Improved Varieties for Sustainable Rice Production" and "Development of Virus-Controlling Biotechnologies for Cost-Efficient and Sustainable Aquaculture"...The three projects were chosen from among many others proposed in response to NRF's 7th CRP grant call on "Meeting Future Food Demands for Singapore"."

Source: National University of Singapore. Newshub-NUS' News Portal Home Page.

http://newshub.nus.edu.sg/headlines/0811/rice_18Aug11.php (Accessed Aug 2011)

- 2011** "The Faculty of Science (FoS) bagged the Best Participation Award with 40.4 per cent in the 'Faculty with over 1,000 graduating students' category for Commencement Class Giving 2011. The Faculty performed better than its previous year's performance of 27.8 per cent."

Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue August/2011; p[8].

<http://www.science.nus.edu.sg/alumni/omniscience/aug2011.pdf> (Accessed Sep 2011)

- 2011** "The Department of Pharmacy bagged 'An Outstanding Achievement Award', having scored 100 per cent participation rate for the fourth consecutive year [in Commencement Class Giving 2011]."

Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue August/2011; p[8].

<http://www.science.nus.edu.sg/alumni/omniscience/aug2011.pdf> (Accessed Sep 2011)

- 2011** "The Department of Mathematics signs Memorandum of Understanding with the Casino Regulatory Authority of Singapore to jointly promote research and development in mathematical research that pertains to casino gaming...Prof Andrew Wee, Dean, Faculty of Science, and CRA Chief Executive, Mr T Raja Kumar signed the MoU, at the second CRA Gaming Technology Forum, on 20 January. The signing was witnessed by industry partners, comprising gaming manufacturers, suppliers and testing laboratories."
- Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue August/2011; p[14].*
<http://www.science.nus.edu.sg/alumni/omniscience/aug2011.pdf>
 (Accessed Sep 2011)
- 2011** "Summer School Programme: The French connection. Students will have a chance to immerse in French culture and broaden their undergraduate experience, thanks to an agreement inked with CPE Lyon... It will be conducted in June each year starting from 2011 through to 2014....The Department of Chemistry through Faculty of Science inked the agreement with CPELyon in March [2011]."
- Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue August/2011; p[15].*
<http://www.science.nus.edu.sg/alumni/omniscience/aug2011.pdf>
 (Accessed Sep 2011)
- 2011** "NUS' Department of Chemistry holds its first Environment, Energy and Catalysis Symposium with its counterparts from King Fahd University of Petroleum & Minerals, Saudi Arabia. The symposium was organised with the objective of enabling potential research collaboration between two institutions of repute... It was held in May [19 May 2011]."
- Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue August/2011; p[16].*
<http://www.science.nus.edu.sg/alumni/omniscience/aug2011.pdf>
 (Accessed Sep 2011)
- 2011** "The RIPE [Research & Industry Placement Enterprise] program is discontinued and replaced with the Undergraduate Professional Internship Program (UPIP) with effect of AY 2011/12."
- Source: National University of Singapore. Department of Chemistry Home Page.*
<http://www.chemistry.nus.edu.sg/bulletin/ripe.htm> (Accessed Oct 2011)
- 2011** "The Overseas Pharmacists Assessment Programme (OPAP) leading to the

- NUSAGE Postgraduate Certificate in Pharmacy Practice was launched in August 2011 with 4 students taking 6 Pharmacy modules”
Source: National University of Singapore. Department of Pharmacy Home Page.
<http://www.pharmacy.nus.edu.sg/about/history.html> (Accessed Jan 2012)
- 2011** "The Minor in Pharmaceutical Sciences programme was launched in January 2011 with 15 students from non-pharmacy majors joining the classes for Pharmacy undergraduates.” Pha
Source: National University of Singapore. Department of Pharmacy Home Page.
<http://www.pharmacy.nus.edu.sg/about/history.html> (Accessed Jan 2012)
- 2011** “YES, you can! The Young Educators in Science programme, or YES for short, launched by the Faculty of Science, will train future educators to be inspiring and effective in communicating technical concepts in an interesting and engaging manner...The YES programme was launched last September [2011] at Faculty of Science by Mrs Tan [Mrs Tan Ching Yee], along with Prof Wee [Professor Andrew Wee]...” FOS
Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue March 2012
<http://www.science.nus.edu.sg/alumni/omniscience/mar2012.pdf> (Accessed Oct 2012)
- 2011** “Interprofessional Education @NUS provides a unique brand of education that prepares our students to collaborative practice-ready so that they will work effectively across professions to enhance quality of care and improve patient outcomes in the integrated healthcare system of Singapore... [Interprofessional Education programme was] launched in [26] September 2011... The NUS Interprofessional Education Steering Committee: Yong Loo Lin School of Medicine, Alice Lee Centre for Nursing Studies, Department of Pharmacy, Faculty of Dentistry...” Pha
Source: National University of Singapore. Department of Pharmacy Home Page.
<http://www.pharmacy.nus.edu.sg/programmes/BScPharm/NUS%20Pharmacy%20IPE.pdf> (Accessed Nov 2012)
- 2012** “Singapore region of International Biometric Society... Li Jialiang [Associate Professor, Department of Statistics & Applied Probability] is the correspondent for member activities and other information.” Stat
Source: National University of Singapore. Department of Statistics and Applied Probability.
<http://www.stat.nus.edu.sg/opencms/> (Accessed Apr 2012)
- 2012** "First dinosaur arrives. TWINKY has arrived in Singapore. The first of three Bio

dinosaurs bought by the Raffles Museum of Biodiversity Research at the National University of Singapore for \$8 million, the 80-per- cent-complete baby dinosaur bones will be on display when the yet-to-be-built Lee Kong Chian Natural History Museum is completed in 2014. The two other dinosaurs - Apollo and Prince - will arrive here over the next two years."

Source: The Straits Times, 25Apr, 2012; p A3.

- 2012** "A new S\$15 million Micro and Nano-Fabrication Facility has opened at the NUS Faculty of Science. The state-of-the-art facility is part of the Graphene Research Centre, the first such centre in Asia dedicated to graphene research...Heading the Graphene Research Centre is Prof Antonio H. Castro Neto, one of the world leaders in graphene research..." FOS
Source: National University of Singapore. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/0612/graphene_13Jun12.php
(Accessed Jun 2012)
- 2012** "Introducing the Rhino Resource Centre. The Rhino Resource Center is the world's premier resource for research, conservation and education of the rhinoceros worldwide. It includes all publications on all living and fossil species, c. 17,000 references, over 15,500 are viewable as PDFs. There are over 2700 images of all rhinos including some of the rarest pictures of the Javan and Sumatran rhinos. Dr Kees Rookmaaker [from Department of Biological Sciences] is the Director and Chief Editor." Bio
Source: National University of Singapore. Department of Biological Sciences Home Page.
<http://www.dbs.nus.edu.sg/> (Accessed Aug 2012)
- 2012** "Venus Transit activities wow crowds at NUS [06 June 2012]... Telescopes of various shapes and sizes sprung up at the NUS multi-purpose field as more than 1,000 astronomy enthusiasts gathered to track the Transit of Venus...This unique phenomenon was the last in the 21st century, with the next happening in 2117. Although the event in Singapore occurred from sunrise to early afternoon of 6 June, excited crowds already congregated the evening before to gaze at the stars and other celestial objects. Activities organised by the NUS Faculty of Science (FoS) included a novel cosmic concert and public talks for astronomy enthusiasts to better understand the Transit of Venus..." FOS
Source: National University of Singapore. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/0612/venus_07Jun12.php (Accessed Oct 2012)

- 2012** "Star Attraction. The Department of Physics welcomes its new Teaching Observatory, a facility that houses the largest-aperture telescope in Singapore used for the learning of advanced Astronomy. The new Teaching Observatory complements the Department of Physics' Bachelor of Science programme that offers an Astrophysics specialisation, as well as its two popular modules, Understanding the Universe and Einstein's Universe. Built at a cost of S\$400,000, this roof roll-off Teaching Observatory is located at the rooftop above the stairwell of Block S12 and S13..."
Phy
- Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue March 2012*
<http://www.science.nus.edu.sg/alumni/omniscience/mar2012.pdf> (Accessed Oct 2012)
- 2012** "NUS Launches World's First Comprehensive Collection of A. R. Wallace Online. Historic Collection of Naturalist Alfred Wallace Goes Online for the First Time. The complete works of the great naturalist Alfred Russel Wallace will be made freely available online today [24 Sep 2012] on the Wallace Online website..... Among the thousands of pages of writings, it includes the first announcement of the theory of evolution by natural selection..."
Bio
- Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue March 2012*
<http://www.science.nus.edu.sg/alumni/omniscience/mar2012.pdf> (Accessed Oct 2012)
- 2012** "NUS, SMU reviewing curriculum...NUS is now looking at introducing a structured programme targeted at developing specific skills, the NUS Provost, Professor Tan Eng Chye, said in a blog entry on Tuesday... Prof Tan told TODAY the proposed programme "sharpens emphasis on developing multi- and interdisciplinary perspectives as well as important career-relevant competencies such as critical thinking and reflection, communication skills, and team work"... which was why NUS had introduced a new compulsory module in writing and communications for all its students. This will be implemented over the next three years..."
FOS
- Source: TODAY, 11 Oct 2012; p 1.*
- 2012** "FoS – FASS [Faculty of Science – Faculty of Art and Social Sciences] Minor in Aquatic Ecology A new minor in Aquatic Ecology jointly offered by the Department of Geography, Faculty of Arts and Social Sciences (FASS) and the Department of Biological Sciences will be implemented from Academic Year 2013/2014 onwards..."
FOS
Bio
- Source: National University of Singapore. Faculty of Science. Annual Report,*

2012/2013; p 13. [NUSL call no. LG399 NUSFS.AR]

- 2012** “Launch of Bachelor of Environmental Studies Programme Seminar Series. The Bachelor of Environmental Studies (BES) Seminar Series was introduced in Academic Year 2012/2013 to provide a platform for BES students to interact and share ideas with academicians and industry... The seminars are currently held twice per semester...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 10. [NUSL call no. LG399 NUSFS.AR] FOS
- 2012** “...Faculty of Science (FoS) and the College of Arts and Sciences, University of North Carolina at (UNC-CH) implemented a Joint Degree Programme (JDP) in Bachelor of Science [B.Sc. (Hons)] in Life Sciences with effect from Academic Year 2012/2013...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 11. [NUSL call no. LG399 NUSFS.AR] FOS
Bio
- 2012** “...FoS participated in the Study Trip for Engagement and EnRichment (STEER) programme to the Middle East for the first time from 10 to 23 December 2012...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 11. [NUSL call no. LG399 NUSFS.AR] FOS
- 2012** “...For the first time, NUS Academy of GxP Excellence (NUSAGE) from the Department of Pharmacy partnered Temple University, Philadelphia, USA, to offer a 12-week 100 per cent online course Global Regulation of Medical device, which started on 11 September 2012...”
National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 10. [NUSL call no. LG399 NUSFS.AR] Pha
- 2013** “Singapore’s biggest scale marine expedition...The local scientists involved came mainly from NUS’ Tropical Marine Science Institute (TMSI) and Department of Biological Sciences, with TMSI’s Marine Biology & Ecological lab Head, Dr Tan Koh Siang, leading the expedition...This expedition is part of Singapore’s first Comprehensive Marine Biodiversity Survey (CMBS), a national initiative to understand the local marine ecosystem, species diversity and distribution...”
Source: National University of Singapore. Newshub-NUS’ NewsPortal Home Page. Knowledge Enterprise Online, Vol. Jan/Feb 2013; p16. <http://newshub.nus.edu.sg/ke/1301/JanFeb13.pdf#zoom=125&> (Accessed Apr 2013) Bio

- 2013** "...A valuable collection of butterflies of West Malaysia and Singapore had been bought and donated to Singapore's new natural history museum. The Fleming collection - acquired by the Malaysian tycoon Tan Teong Hean - represents the most complete picture of these beautiful insects... When the Lee Kong Chian Natural History Museum opens next year, visitors will be able to see these butterflies..."
Source: The Straits Times, 14 Jan 2013; pB4. Bio
- 2013** "...Closing of the Raffles Museum of Biodiversity and Research Public Gallery
On 31 March 2013, the Raffles Museum of Biodiversity and Research (RMBR) Public Gallery closed its doors after 12 years of service to prepare for the move to its new and much larger home at the Lee Kong Chian Natural History Museum, slated to open in 2014..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 14. [NUSL call no. LG399 NUSFS.AR] FOS
Bio
- 2013** "Natural history museum at NUS lays foundation... Singapore takes another step closer towards setting up a natural history museum when the first pile was driven into the ground for the construction of the Lee Kong Chian Natural History Museum at NUS on 11 January [2013]..[Raffles Museum of Biodiversity Research to close end of Mar 2013]..."
*Source: National University of Singapore. Newshub-NUS' News Portal Home Page.
http://newshub.nus.edu.sg/headlines/1301/museum_14Jan13.php (Accessed Feb 13)* FOS
Bio
- 2013** "...[Raffles Museum of Biodiversity Research] Museum homecoming for President Tan...About 25 years ago, President Tony Tan Keng Yam launched a collection that was to play an instrumental role in the growth of the Raffles Museum of Biodiversity Research...Yesterday [25 Mar 2013] it was like a homecoming when he was invited to tour the place...The museum is moving to a new and larger home next year...it will be renamed Lee Kong Chian Natural History Museum..."
Source: The Straits Times, 26 Mar 2013; pB6. Bio
- 2013** "...The Bachelor of Environmental Studies (BES) Programme has launched a new environmental Studies Internship Programme under the module ENV3202..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 24. [NUSL call no. LG399 NUSFS.AR] FOS

- 2013** "Held in four ceremonies over two days on 14 and 15 July, Commencement 2013 saw 1,299 Faculty of Science (FoS) undergraduates being conferred their Bachelor degrees and 433 postgraduates being conferred their Masters or Doctor of Philosophy degrees. The ceremonies took place at the University Cultural Centre, where graduates received their scrolls together with their cohort and were treated to motivational speeches delivered by alumni, reputable in their chosen fields of expertise."
Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://www.science.nus.edu.sg/newshub/725-congratulations-class-of-2013> (Accessed Dec 14) FOS
- 2013** "...Our Food Science & Technology Undergraduate Degrees have been accredited. We have received accreditation by IUFOST (International Union of Food Science & Technology) for the Bachelor of Applied Science (Food Science and Technology) and the Bachelor of Applied Science (Honours) (Food Science and Technology) courses..."
Source: National University of Singapore. Food Science and Technology Programme Home Page. <http://www.fst.nus.edu.sg/> (Accessed Sep 2013) Chem
- 2013** "Launch of Peer Support Group. FoS currently has a Student Support Manager whom students can approach for advice or when they need a listening ear. To provide an alternate option, the Peer Support Group started on 1 February 2013..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 13. [NUSL call no. LG399 NUSFS.AR] FOS
- 2013** "...University of Copenhagen (KU) had plans to expand this concept and establish a summer school in Copenhagen, and NUS was chosen as the preferred partner for this endeavour. This summer school aims to expose KU and NUS students to research that they may explore further during their MSc or PhD...A new module 'Advanced Topics in Biomedical Science – Neuromuscular Development and Disease' was co-designed by KU faculty members and Assoc Prof Christoph Winkler from the Department of Biological Sciences..."
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 27. [NUSL call no. LG399 NUSFS.AR] FOS
 Bio
- 2013** "NUS and School of Biomedical Sciences, King's College London. An agreement for the Concurrent Degree Programmes (CDP) between King's College London's School of Biomedical Sciences and FoS was inked on 2 April 2013 in King's College London (KCL)..."
Source: National University of Singapore. Faculty of Science. Annual Report, FOS

2012/2013; p 28. [NUSL call no. LG399 NUSFS.AR]

- 2013** “Joint PhD degree with Hebrew University of Jerusalem. FoS and the Yong Loo Lin School of Medicine have strengthened their ties with the Faculty of Medicine and Science, Hebrew University of Jerusalem (HUJ) by inking a Memorandum of Understanding (MOU) for a joint PhD degree for biomedical science on 3 July 2013...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 33. [NUSL call no. LG399 NUSFS.AR]
- 2013** “The Department of Mathematics at the NUS Faculty of Science is honored to have four Professors invited to present a 45-minute lecture each at the prestigious International Congress of Mathematicians (ICM) 2014 to be held in Seoul, South Korea. The four Professors are Bao Weizhu, Gan Wee Teck, Shen Weixiao and Yu Shih-Hsien.”
Source: National University of Singapore. National University of Singapore. Department of Mathematics. Newsletter. Issue 4, Jan-July 2013. http://ww1.math.nus.edu.sg/newsletter/Issue%204_July13_Newsletter%20for%20Students%20&%20Alumni.pdf (Accessed Dec 2014)
- 2013** “...Department of Chemistry has revamped its curriculum and introduced three new specialisations under the Chemistry major, namely Materials Chemistry, Medicinal Chemistry, and Environment & Energy, with effect from Semester 1 Academic Year 2013/2014...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 3. [NUSL call no. LG399 NUSFS.AR]
- 2013** “...The NUS Physics Department recently signed a historic EOI document with the Compact Muon Solenoid collaboration (CMS), an experiment at the Large Hadron Collider (LHC) at European Organization for Nuclear Research (CERN)...”
Source: National University of Singapore. Department of Physics Home Page. <http://www.physics.nus.edu.sg/archive/archive.html> (Accessed Sep 2013)
- 2013** “Establishment of the Centre for Statistical Science. The Department of Statistics and Applied Probability (DSAP) established the Centre for Statistical Science (CSS) on 1 April 2013...”
Source: National University of Singapore. Faculty of Science. Annual Report, 2012/2013; p 15. [NUSL call no. LG399 NUSFS.AR]
- 2013** “Professor Andrew Wee Thye Shen will be appointed Vice President (University & Global Relations) with effect from 1 April 2014, and relinquish his present appointment as Dean, Faculty of Science on the same date...”

Source: National University of Singapore. Office of the President. President's Letter, Number 2013-05; p 3.

- 2013** “...a new initiative to enable Returning Full-time National Servicemen (RNS men), who had earlier gained admission to the university, to earn academic credits before matriculation as undergraduate students ... In January 2014, these incoming students will have a choice of eight modules ranging from Computing, Engineering, Science and Social Sciences.” FOS

Source: National University of Singapore. Newshub-NUS' News Portal Home Page. <http://newshub.nus.edu.sg/pressrel/1309/090913.php> (Accessed Sep 2013)

- 2013** “... NUS announced its collaboration with Coursera as a partner university. Through this collaboration, more students around the world can access and benefit from NUS' educational offerings ... two courses that will be offered on the Coursera platform - 'Write like Mozart: An Introduction to Classical Music Composition' by Associate Professor Peter Edwards of the Yong Siew Toh Conservatory of Music; and 'Unpredictable? Randomness, Chance and Free Will' by Professor Valerio Scarani of the Centre for Quantum Technologies and the Department of Physics. Both courses will commence in January 2014.” FOS

Source: National University of Singapore. Newshub-NUS' News Portal Home Page. <http://newshub.nus.edu.sg/pressrel/1309/090913.php> (Accessed Sep 2013)

- 2013** "The Faculty of Science (FoS) will offer three online modules come January 2014 in Mathematics, Physics and Life Sciences to eligible national servicemen (NSmen) offered a place in NUS and matriculating in July next year. NSmen can choose to take any of the three online modules while they are still serving national service and waiting for university admission. Three Science modules will be offered initially as part of NUS' push to combine online learning with classroom teaching. This will help NSmen to get in touch with academia after being away for two or more years." FOS

Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue 9, Oct/2013; p 2.

- 2014** “And so to honour his late mother and commemorate her ardent support of conservation and the environment, Mr Terry McNeice, through his mother's foundation, has established the Lady Yuen Peng McNeice Graduate Fellowship at the National University of Singapore's (NUS) Faculty of Science.” FOS

Source: National University of Singapore. NUS Development Office Home Page. <http://giving.nus.edu.sg/news-and-events/news/570-lady-yuen-peng->

mcneice-graduate-fellowship-to-help-budding-researchers (Accessed Feb 2014)

- 2014** "The National University of Singapore (NUS) Faculty of Science and Dow Chemical Pacific (Singapore) Pte Ltd (Dow Singapore), a subsidiary of The Dow Chemical Company, are collaborating to groom passionate and engaging science educators in Singapore ... This is the Laboratory's first collaboration with an industry partner, and also Dow Singapore's first education-related outreach to the public."

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Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/press-releases/863-nus-and-dow-partner-to-groom-next-generation-of-science-educators> (Accessed Mar 2014)

- 2014** "...Singapore, 19 March 2014 - The National University of Singapore (NUS) Faculty of Science will be enhancing the curriculum of its undergraduate Pharmacy degree programme...students enrolling in the Pharmacy programme in August 2014 will be the first to benefit from the curriculum enhancements...The new curriculum organises the course content into four longitudinal themes and new modules are also introduced to enhance students' practical professional skills. In addition, all Pharmacy students in the final year will be required to conduct an individual research project and go through a six-month internship...In light of this, under the new curriculum, Pharmacy students would only need to complete another six months of training in order to apply for registration as a licensed pharmacist... The review of the pharmacy curriculum involved setting a clear set of learning outcomes derived through guidance from the Competency Standards for Pharmacists in Singapore. In addition, key stakeholders, including government agencies, professional bodies, practitioners and academic units within NUS that support the training of Pharmacy undergraduates, were consulted to solicit feedback and requirements. The Department of Pharmacy also collaborates closely with the Ministry of Health, which supports the pre-employment clinical training of students."

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Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/press-releases/868-nus-enhances-pharmacy-curriculum-to-meet-future-challenges-in-the-singapore-healthcare-landscape> (Accessed Mar 2014)

- 2014** "Pre-Employment Clinical Training (PECT) is a new programme which is funded by Ministry of Health Holdings (MOHH). PECT provides an opportunity for pharmacy undergraduates to undertake experiential learning in patient care work environments of different pharmacy practice

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sectors. The first funding for PECT started in May 2014. The objectives of PECT are for students to: 1. Develop high standards of ethical, legal and professional conduct in pharmacy practice. 2. Acquire and apply knowledge, experience and skills to achieve professional competency in pharmacy practice according to Singapore Pharmacy Council Competency Standards for Pharmacists in Singapore. 3. Gain an understanding of the pharmacist's roles in the practice of pharmacy in the community and hospital setting."

Source: Chiu, Wai Keung. National University of Singapore. Head, Department of Pharmacy. Email to Science Library, 16 December, 2014. Sent to Science Library. National University of Singapore. Science Library.

2014 "The NUS Pharmaceutical Society (NUSPS) received the WeCare @ North West Award from the North West Community Development Council (CDC) at the North West Volunteers' Night this year. Held on 2 March, the award was conferred to recognise the students' efforts in volunteer work among the senior citizens through their programme "Know Your Medicines, Get it Right! @ Northwest". A collaboration between NUSPS, North West CDC and Pharmaceutical Society of Singapore (PSS), this programme hopes to guide the elderly to better understand the proper use of their medications."

Source: National University of Singapore. Faculty of Science Web Page. <http://www.science.nus.edu.sg/newshub/865-nus-pharmaceutical-society-conferred-the-wecare-north-west-award> (Accessed Dec 2014)

2014 "... A Memorandum of Understanding (MOU) was signed between Faculty of Science (FoS) and Shenzhen University (SZU), strengthening ties between the two universities by agreeing to cooperate in education and research, joint teaching programmes, seminars and conferences, student and faculty exchange programmes, and the identification of opportunities for commercialisation of technology...The MOU was signed on 10 January 2014 at the FoS Dean's Office..."

Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/newshub/842-fos-and-shenzhen-university-ties-strengthened-through-mou> (Accessed Mar 2014)

2014 "...Close to 600 students, staff, faculty and alumni of the Faculties of Arts & Social Sciences, Dentistry and Science participated in the Resilience Run on 29 March 2014. A joint-launch project to celebrate the 85th anniversary of the three Faculties, the Run reflected the resilience of the three faculties in weathering and overcoming various challenges over the years to become the uniquely successful institution that each is today..."

Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/newshub/878-resilience-run-2014> (Accessed Apr 2014)

- 2014** “... the National Research Foundation (NRF) in the Prime Minister’s Office, Singapore, today announces \$63M of funding spread over the next 5 years, for the Nuclear Safety Research and Education Programme (NSREP) ... The NSREP will comprise two components—the Singapore Nuclear Research and Safety Initiative (SNRSI) focusing on research and developing capabilities in nuclear safety, science and engineering; and the Nuclear Education and Training Fund (NETF) which will support education and training in these areas. The SNRSI will be led by Professor Lim Hock, ... currently Director, Research Governance and Enablement, Office of Deputy President (Research and Technology) and Professor of Physics, National University of Singapore. SNRSI will be a national resource hosted in the National University of Singapore that taps into the local research institutions and builds up new capabilities.”
Source: National Research Foundation. Prime Minister’s Office, Singapore. Press Release. 23 April 2014. p1.
- 2014** "Singapore is building up its expertise in nuclear safety, science and engineering, with a \$63 million, five-year research and education programme...The new effort, announced yesterday by the National Research Foundation (NRF), comprises a Singapore Nuclear Research and Safety Initiative led by National University of Singapore physicist Lim Hock, and a Nuclear Education and Training Fund."
Source: The Straits Times, 24 Apr, 2014; Top of the news, Front Page.
- 2014** "With effect from AY2014/15, Second Major in Financial Mathematics will no longer be offered, for students who matriculated in AY2014/5 or later."
Source: National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/undergrad.aspx?f=stu-currupdates> (Accessed Dec 2014)
- 2014** "...NUS will be implementing a grade-free first semester for first-year undergraduates who are on the modular system, starting with the Academic Year (AY) 2014/2015 cohort. This new initiative, announced today [14 May 2014], is one of several key changes being made to further enhance the quality of NUS' education and better prepare its graduates for the evolving nature of work in the future...An estimated 6,000 freshmen in various Faculties and Schools—Arts and Social Sciences, Business, Computing, Design and Environment, Engineering, Music, Nursing and Science—will stand to benefit from this move..."
Source: National University of Singapore. NUS News Home Page.

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<http://news.nus.edu.sg/highlights/7678-grade-free-semester-one-of-the-key-initiatives-to-enhance-nus-education> (Accessed May 2014)

- 2014** "... announce the newest academic unit to be established under the Faculty of Science, Lee Kong Chian Natural History Museum (LKCNHM). It was formerly the Raffles Museum of Biodiversity Research (RMBR). The RMBR was already in existence since 1998 ..."
Source: Dean's Message 13/14: FoS New Academic Unit and Appointment of its Head and Deputy Head, 15 April 2014.
- 2014** "Prof Peter Ng has been appointed as Head of the Lee Kong Chian Natural History Museum for a period of two years. Prof Ng aims to maintain the quality of research conducted, develop teaching programmes and make sure the gallery reaches out to the public in the right way."
Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/news-media/7661-crab-expert-named-chief-of-new-natural-history-museum> (Accessed Nov 2014)
- 2014** "Professor Steven Kou will be assuming Directorship of the Risk Management Institute from 1 July 2014. Formerly from Columbia University's Department of Industrial Engineering and Operations Research, Professor Kou joined NUS as a Professor in Mathematics and Provost's Chair in 2013."
Source: National University of Singapore. Office of the President. President's Letter, Number 2014-01. p 4.
- 2014** "The University has established the Centre for Advanced 2D Materials to study and develop applications for materials that are atomically thin with a S\$50-million grant from the National Research Foundation (NRF). The Centre builds on the success of the Graphene Research Centre (GRC), which will have its activities folded into the new Centre...Prof Castro Neto, who was the GRC's Director, will assume directorship of the new Centre. Activities at the Centre will fall under the following areas: graphene; 2D materials beyond graphene; devices based on 2D materials; theory and simulations; and entrepreneurship, innovation and industrial development. Physics Professor Barbaros Özyilmaz, Chemistry Professor Loh Kian Ping and Biomedical Engineering Professor Lim Chwee Teck will be leading the first three areas, respectively. A defining feature of this Centre will be the interdisciplinary collaboration between scientists and engineers to produce translational research. The team of about 100—which includes 40 faculty members and 60 doctoral students and research fellows—will work together with the aim of accelerating a material's development into a useful

product."

Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/7932-going-nano-with-new-2d-materials-centre> (Accessed Dec 2014)

2014 "Hosted at the National University of Singapore (NUS), the Centre for Advanced 2D Materials (CA2DM) seeks to become the world-leading research centre in the area of two-dimensional (2D) material science and technology. ... The Centre is led by Prof Antonio Castro Neto (Department of Physics, NUS), a leading theorist and one of the most cited researchers in the field of Graphene research."

Source: National Research Foundation. Prime Minister's Office, Singapore. Press Release. 3 November 2014. p7.

2014 "... NUS will be introducing two further changes to the undergraduate education system ... First, we will be increasing the proportion of undergraduate students who will have the opportunity to pursue the Honours degree ... The University has reviewed the Cumulative Average Point (CAP) requirements to enable a higher proportion of academically qualified students from Arts and Social Sciences, Business, Science, and Nursing to proceed on to the Honours track. For Faculties such as Computing, Design and Environment, Engineering, and Music, enrolment into Honours programmes will continue to be determined at the point of admission into the University. In addition, students who achieve a CAP of 3.00 and above in a four-year degree programme will be able to graduate with an Honours degree. Second, from AY2014/2015, we will adopt a new nomenclature for our degree classification, similar to that used by major US universities, to more accurately reflect the academic accomplishments of our graduates. The following changes to the nomenclature will be implemented, with the CAP requirements for each class of Honours remaining largely unchanged from the current requirements: First Class Honours will be renamed "Honours (Highest Distinction)"; Second Class (Upper) Honours will be renamed "Honours (Distinction)"; Second Class (Lower) Honours will be renamed "Honours (Merit)"; Third Class Honours will be renamed "Honours"...These changes will apply to new cohorts of students who are admitted from AY2014/2015 onwards. It will also be retroactively extended to two existing cohorts (i.e., the AY2012/2013 and AY2013/2014 cohorts) because no students in these cohorts have graduated prior to 30 June 2014."

Source: National University of Singapore. Office of the Provost. Provost's Circular No. 7 of AY2013/14.

- 2014** "The Department of Physics is pleased to announce that it has undertaken the organization of the "India Immersion Program". It is a new initiative aimed at NUS Physics students joining this program and spending about two weeks in visiting India and Indian Universities/Institutes of Higher Learning. This program will commence from the first semester of the academic year 2014-15. The objective of this program is to provide our students a holistic experience of India in terms of academic interactions with Indian students, cultural exposure and appreciation of the research/teaching strengths of Indian Universities/Institutes of higher learning."
- Source: National University of Singapore. Department of Physics Home Page. http://www.physics.nus.edu.sg/student/ugrad_announce.html (Accessed Aug 2014)*
- 2014** "Prof Chung Keng Yeow and Dr Yeo Ye developed the online version of the Engineering Physics module PC1431FC. This course consists eighteen weeks of video presentations and online assignments. It is the first of the online courses to be made available to incoming undergraduate students who have completed their national service, before they formally matriculate in NUS. Another notable accomplishment is the development of a new minor in Medical Physics. This has now been approved and will be implemented in AY2014/2015. The programme will train a pool of medical physicists for the needs of the national healthcare sector."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2013/2014; p 25. [NUSL call no. LG399 NUSFS.AR]*
- 2014** "To equip Math students with the educational training to meet industrial needs, the department has introduced this past year two specialisations within the Applied Mathematics major. These are Mathematical Modelling & Data Analytics and Operations Research & Financial Mathematics."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2013/2014; p 22. [NUSL call no. LG399 NUSFS.AR]*
- 2014** "The predecessor of the FST B.Sc. and B.Sc (Hons.) degrees ie. the FST B.Appl.Sc. and B.Appl.Sc.(Hons.) degrees at NUS were accredited by the International Union of Food Science and Technology (IUFoST) in September 2013. To strengthen the course, from AY2014/15, the degrees become FST B.Sc. and B.Sc. (Hons.) with enhanced curricula."
- Source: National University of Singapore. NUS Bulletin AY 2014/15. http://www.nus.edu.sg/registrar/nusbulletin/faculty-science/bachelor-sciencebachelor-science-hons-programme-requirements-bscb-sc-hons#3_3_3_3*

(Accessed Dec 2014)

- 2014** "We have also introduced new topics which are highly relevant to current chemical industry and updated our laboratory curriculum to include the teaching of more relevant skills, such as multistep synthetic reactions and sophisticated techniques, and greater use of NMR reaction product analysis. Our revamped laboratory classes also include experiments in the emerging technology areas of environmental, energy and materials chemistry. We are currently developing new laboratory classes to train our undergraduate students in biochemical techniques, which are expected to be available next academic year."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2013/2014; p 19. [NUSL call no. LG399 NUSFS.AR]*
- 2014** "Singapore's first natural history museum, the Lee Kong Chian Natural History Museum (LKC NHM), has been spun off from the Department of Biological Sciences as an independent academic unit within the Faculty to curate, exhibit, teach and research the biodiversity of plants and animals in Singapore and the region. The LKC NHM is a progeny of the Raffles Museum of Biodiversity Research which traces its roots to the Raffles collection in the 1820s. When the museum opens next year, it will house the largest Southeast Asian biodiversity collection and three almost-complete dinosaur fossils."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2013/2014; p 6. [NUSL call no. LG399 NUSFS.AR]*
- 2014** "The sword-like tusk of a whale known as the "unicorn of the ocean" will take pride of place at the new Lee Kong Chian Natural History Museum when it opens next year. The narwhal tusk, which is at least 200 years old, had belonged to businessman "Whampoa" Hoo Ah Kay, one of Singapore's pioneers of the 1800s. On Wednesday, his greatgranddaughter Hoo Miew Oon, 79, donated the family heirloom to the museum, formerly known as the Raffles Museum of Biodiversity Research."
- Source: National University of Singapore. Lee Kong Chian Natural History Museum Web Page.*
<http://lkcnhm.net/2014/06/20/donation-of-narwhal-tusk-to-the-museum-by-mdm-hoo-miew-oon/> (Accessed Jun 2014)
- 2014** "The Faculty of Science commemorated its 85th anniversary on 8th November 2014 with a celebratory dinner graced by President Tony Tan Keng Yam, NUS Board of Trustees Chairman Mr Wong Ngit Liong, NUS Deputy President and Provost Professor Tan Eng Chye, current and past

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Deans of Science, together with about 300 distinguished guests, alumni, faculty, staff and students. President Tony Tan's association with the Faculty of Science goes way back to 1959 when he was a student at the Department of Physics, and throughout his tenure as a faculty member, Vice Chancellor and now Chancellor of NUS. From its humble beginnings in 1929 as a single department in Raffles College, with just 3 staff members and 10 students, the Faculty of Science has evolved into one of the largest Faculties in the University and is now ranked among the best in the world."

Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/newshub/1082-fos-celebrates-85th-anniversary> (Accessed Dec 2014)

- 2014** "Project Angel is a longstanding series of institutional social responsibility flagship projects organised by NUS Students' Science Club. This year Project Angel XVI focused on regional environmental conservation, reaching out to villagers in Mangkang, Indonesia. The highlight was an overseas expedition to this coastal village to rehabilitate a mangrove swamp. The rehabilitated swamp forms part of a "green belt" that will mitigate coastal erosion, stabilising the coastline to protect villagers' livelihood." FOS
- Source: National University of Singapore. Faculty of Science Annual Report 2013/2014. p12.*
- 2014** "An inaugural two-week study trip ... was conducted between 20 December 2014 and 1 January 2015. The programme brought 23 Pharmacy undergraduates and 3 faculty members to two up and coming cities in the Yangtze River Economic Belt." Pha
- Source: National University of Singapore. Department of Pharmacy Home Page. <http://www.pharmacy.nus.edu.sg/news/Pharmacy%20STEER%20China.pdf> (Accessed Dec 2014)*
- 2015** "The Oppenheim Lectures is a distinguished lecture series jointly organised by the Department of Mathematics, and the Institute for Mathematical Sciences at NUS. Math

This series of lectures is held annually beginning from the Academic Year 2014/2015, in honour of Sir Alexander Oppenheim, who held the position of Professor and first Head of the Department from 1931, at the time of Raffles College, until 1959. Prof Oppenheim was also Vice Chancellor of the University of Malaya (the predecessor of NUS) from 1957 to 1963. He was a well-known number theorist, notably for the Oppenheim Conjecture that concerned representations of numbers by real quadratic forms in several

variables. The conjecture was later proven by Gregori Margulis in 1986.

The inaugural Oppenheim Lecture on 28 January was delivered by Prof Ngo Bao Chau from the University of Chicago and Vietnam Institute for Advanced Study in Mathematics. Prof Ngo is best known for proving the fundamental lemma in the Langlands programme which was selected by Time magazine as one of the Top Ten Scientific Discoveries of 2009. He was awarded the Fields medal in the International Congress of Mathematicians 2010, held in India.

In conjunction with the Oppenheim Lecture, there was also a Workshop on Representation Theory & Automorphic Forms from 27 to 29 January, with speakers from NUS and various institutions in the Asia-Pacific region including the Tata Institute of Fundamental Research, the Chinese Academy of Sciences and Kyoto University."

*Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue 12, Apr/2015; p 21.
<http://www.science.nus.edu.sg/images/corpcoms/April15%20-%20FINAL.pdf> (Accessed May 2015)*

- 2015** "The Department of Mathematics is pleased to introduce the ASEAN Mathematician Visit Programme, which aims to encourage collaboration and to support growth in mathematical research in the ASEAN region. Under the programme, mathematicians from the ASEAN countries will visit the Department of Mathematics, and will collaborate with members of the Department on research topics of mutual interests."

*Source: National University of Singapore. Dept. of Mathematics Home Page.
<http://ww1.math.nus.edu.sg/about.aspx?f=newsarchive> (Accessed Jan 2015)*

- 2015** "The 2015 Nanotechnology Study Tour was held in Tokyo from 26 to 30 January. Eight students from the Faculty of Science (FoS) and 15 La Trobe University students, who are pursuing a specialisation in nanoscience, participated in the study tour." FOS

The inaugural Nanotechnology Study Tour was held in January 2013 and has now evolved into an official module offered at NUS. SP3277 Nano: from Research Bench to Industrial Applications was introduced in Semester 2 of Academic Year 2013/2014.

Taught by lecturers from the Special Programme in Science (SPS), Physics, Pharmacy, the Centre for Language Studies as well as industry players, the

module aims to expose NUS students to nanoscience research and the nanotechnology-based industry. This is done through a series of seminars by principal investigators and industry experts in the field and laboratory and through industrial visits. The students also complete nanosynthesis and / or nanocharacterisation-related mini projects, all of which are conducted locally."

*Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue 12, Apr/2015; p 22.
<http://www.science.nus.edu.sg/images/corpcorps/April15%20-%20FINAL.pdf> (Accessed May 2015)*

- 2015** "A new online database has been launched compiling research on how Singapore's flora and fauna interact with each other.

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Called Animals and Plants of Singapore, it is managed by Lee Kong Chian Natural History Museum and went live on the museum's website this month.

Users can click on an animal and find links to information on the plants or animals it feeds on – though work on the site is ongoing and not all species have links in place yet.

The database provides a name and a photograph of each species. For further information, users must click on the links to external sources, such as pages created by the National University of Singapore's life sciences classes, or the museum's Singapore Biodiversity Records – an online collection of "flora and fauna in Singapore, including sightings of uncommon or rare species".

Professor Rudolf Meier, deputy head of the museum, said the goal is to understand how different species interact to sustain Singapore's green spaces."

Source: The Straits Times, 24 February 2015; pB7

- 2015** "The opening of the SCIEX Centre at the Protein and Proteomics Centre in NUS marks a new phase of partnership between a global leader in mass spectrometry instrumentation and NUS.

FOS
Bio

Officiating the opening ceremony were Mr. Jean-Paul MANGEOLLE, President SCIEX, Prof Peter HO, Vice-Dean (Research) of the Faculty of Science, Prof Paul MATSUDAIRA, Head of Department for Biological Sciences, and Prof Ganesh ANAND, Director of Protein and Proteomics Centre (PPC).

...

The PPC was set up under the aegis of the Department of Biological Sciences, in 2000, as a core facility to provide services in protein separation, purification, identification and quantitation using mass spectrometry-based approaches, for protein biomarker discovery, quantitative proteomics and bioinformatics research. The centre has now become a powerful resource for researchers, both local and regional having made tremendous advances in cancer biomarker discovery and cancer biology over the years.

...

On 5 Mar 2015, the Faculty of Science NUS, and SCIEX, signed a memorandum of understanding to further promote joint research and development in cancer biomarker discovery with the acquisition of a QTRAP® 6500 System."

Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://www.science.nus.edu.sg/newshub/1277-opening-of-first-regional-sciex-centre-at-the-protein-and-proteomics-centre> (Accessed Apr 2015)

- 2015** "The NUS Faculty of Science held its inaugural NUS-Dow Surprising Science Fair on 21 March to inculcate a passion for science among some 150 secondary school students while enabling its own students to strengthen their science communication skills. The Science Fair is a collaboration with Dow Chemical Pacific (Singapore), a subsidiary of science and technology firm The Dow Chemical Company, that develops, manufactures and supplies plastic additives in the Asia Pacific region. The Fair was attended by secondary school and madrasah students, aged 13 to 15, as well as beneficiaries of welfare organisations such as Care Singapore, Beyond Social Services, Lakeside Family Centre and the Chinese Development Assistance Council. Participants were brought on a quest to complete a series of interactive experiments designed to teach science in an interesting and engaging manner."
- Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/8792-connecting-through-science> (Accessed Apr 2015)*

- 2015** "The Faculty of Science (FoS) organised the inaugural Industry Sharing Series on 23 March. These sessions provide a platform for students to engage industry players, as part of their professional development to

prepare them for the workplace. Faculty members can also dialogue and network with the industry experts."

Source: National University of Singapore. Faculty of Science Home Page. e-OmniSci, issue 12, Apr/2015; p 9. <http://www.science.nus.edu.sg/images/corpcomms/April15%20-%20FINAL.pdf> (Accessed May 2015)

- 2015** "In celebration of its 110th anniversary and Singapore's 50th year of independence, the National University of Singapore (NUS) launched a science and technology exhibition today entitled "Building Our Nation through Science and Technology". The 10-day exhibition features NUS' innovations and inventions, epitomising the University's spirit of improving lives through high impact research. For the first time, the Faculties of Engineering and Science, as well as the School of Computing, have come together to present 23 projects which are showcased along five themes: Digital Nation, Healthy Nation, Multimedia Nation, Smart Nation and Sustainable Nation. Visitors will get to view demonstrations, prototypes and poster displays of the projects."

Source: National University of Singapore. NUS News Home Page. Press Release. 9 Apr 2015. <http://news.nus.edu.sg/press-releases/8851-nus-showcases-contributions-to-the-advancement-of-science-technology-in-singapore> (Accessed Apr 2015)

- 2015** "The first book that documents the story of the Zoological Collection, which forms the core of the new Lee Kong Chian Natural History Museum at NUS, will soon hit bookstores across Singapore. *Of Whales and Dinosaurs: The Story of Singapore's Natural History Museum* narrates an intriguing tale of the biological collection's struggle and change spanning more than a century. Author Dr Kevin Tan, an NUS law alumnus and Adjunct Professor at the University's Faculty of Law, recounts the extraordinary 127-year history of biological specimens which survived mostly intact through the multiple challenges of the 19th century, the devastation of World War II, and potential disintegration in the 1970s. During the first two decades of Singapore's independence, the government focused on nation-building and other priorities, while the country's natural history took a backseat."

Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/8853-book-traces-s-pore-s-natural-history> (Accessed Apr 2015)

- 2015** "Visitors will get to marvel at the exhibits of the Lee Kong Chian Natural History Museum (LKC�HM), including the highly anticipated fossilised dinosaurs, when it opens to the public on 28 April 2015. Spread over two levels, the 2,000-square-metre exhibition gallery's main floor focuses on the

history and diversity of life on Earth, with a strong emphasis on Southeast Asian flora and fauna. The sections are arranged as follows: Life, Plants, Fungi, Towards Animals, Molluscs, Arthropods, Fish, Amphibians, Reptiles, Dinosaurs, Birds and Mammals. Three thematic displays—Water to Land, Tropical Rainforest and Marine Cycles—round up the exhibits.”

Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/8813-natural-history-museum-set-for-opening> (Accessed Apr 2015)

- 2015** “The Lee Kong Chian Natural History Museum (LKCNHM), Singapore’s first and only natural history museum, was officially opened by Dr Tony Tan Keng Yam, Singapore President and Chancellor of the National University of Singapore (NUS) on 18 April. The museum, which traces its roots to the original Raffles Museum of 1878, is the oldest such institution in the region. Dr Tan graced the official opening with more than 250 guests in attendance. They included Deputy Prime Minister Teo Chee Hean; Singapore’s Ambassador-at-Large and Honorary Chairman of the National Heritage Board Professor Tommy Koh; NUS’ Pro-Chancellors Mr Po’ad Mattar and Mr Ngiam Tong Dow; NUS Chairman Mr Wong Ngit Liong; NUS President Professor Tan Chorh Chuan and major donors.”
- Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/8875-natural-history-museum-opens> (Accessed Apr 2015)*
- 2015** “Impressive. This word was used frequently by three naturalists involved in the early Raffles Museum’s zoological collection, when they spoke about the new and only natural history museum in Singapore which officially opened on 18 April. Dr Lim Boo Liat, Dr A Sasekumar and Dr David Wells were key pioneers who helped contribute to and protect the precious collection which formed the core of the Lee Kong Chian Natural History Museum (LKCNHM) at NUS. Dr Lim, a well-respected zoologist who won the Malaysian Merdeka Prize for his decades of contribution to biodiversity research in Malaysia, has worked with the Museum staff since the early 1960s and knows its history intimately. ... Dr Sasekumar, Malaysia’s premier mangrove biologist and Research Fellow at the University of Malaya (UM) in Kuala Lumpur, has been a close collaborator of the former NUS Department of Zoology and the Museum, with links going back to 1967. ... World-renowned ornithologist Dr David Wells has a strong association with the old museum when it was part of the Raffles Museum at Stamford Road, and was a regular scientific user of the Zoological Reference Collection in the 30 years of his academic career with UM.”

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Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/8886-museum-builds-on-pioneers-dedication> (Accessed Apr 2015)

- 2015** "The lair of three rare dinosaurs opens to the public today, after more than five years in the making. Guests to the Lee Kong Chian Natural History Museum in Kent Ridge will not only get to see the genuine fossils of the three diplodocid sauropod dinosaur stars - Prince, Apollonia and Twinky - but also get the chance to "hunt" for bones. But instead of a hammer and chisel, aspiring palaeontologists (fossil scientists) need only a mobile application called App-ollonia, a play on Apollonia's name. Developed by Singapore software firm mgg software, App-ollonia is free for download on iOS and Android devices. Using the app, museum visitors must first "collect" four of Apollonia's bones - its skull, fibula (lower leg bone), cervical vertebra (neck bone) and coracoid (a bone near the shoulder blade). This is achieved by using the app's camera function to scan the QR codes placed around the biodiversity gallery on the first floor of the museum. The QR codes show where the bones are hidden. The app also provides interesting facts about a particular bone when a QR code is detected. For instance, those who "collect" the fibula will learn that it is the part of the skeleton from which palaeontologists take samples to determine a dinosaur's age."
- Source: *The Straits Times*, 28 Apr 2015; pB5.
- LKCN
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- 2015** "The ThinkTank Series is a new initiative by the Faculty of Science (FoS). Each semester, selected students from various levels and majors are invited to participate. These events, which are facilitated by Prof Chew Fook Tim, Vice Dean (Undergraduate Studies and Student Life), provide students a platform to network and discuss student related topics and concerns with their peers and Faculty members.
- The ThinkTank Series also provides the Faculty with opportunities to interact with, and get to know students better."
- Source: National University of Singapore. Faculty of Science Home Page. *e-OmniSci*, issue 12, Apr/2015; p 10. <http://www.science.nus.edu.sg/images/corpcomms/April15%20-%20FINAL.pdf> (Accessed May 2015)
- FOS

- 2015** "For Cohort AY2013/2014 and before, the degrees offered are:
- Bachelor of Science [B.Sc.]
 - Bachelor of Science (Hons.) [B.Sc. (Hons.)]
 - Bachelor of Applied Science [B.Appl.Sc.]^
 - Bachelor of Applied Science (Hons.) [B.Appl.Sc. (Hons.)]^
- FOS

For Cohort AY2014/2015 and after, the degrees offered are:

- Bachelor of Science [B.Sc.]
- Bachelor of Science (Hons.) [B.Sc. (Hons.)]

^Note: With effect from Cohort year AY2014/2015, the degrees of B.Appl.Sc. (Food Science and Technology) and B.Appl.Sc. Hons. (Food Science and Technology) will be renamed to B.Sc. (Food Science and Technology) and B.Sc. Hons. (Food Science and Technology) respectively with revisions in the curriculum. The internship component will still be retained in the revised curriculum."

Source: National University of Singapore. Faculty of Science Home Page. <http://www.science.nus.edu.sg/undergraduate-studies/uginfop/introduction-to-science> (Accessed May 2015)

- 2015** "General Education modules offered by Department of Mathematics: Math
- Students admitted in and prior to AY2014/15 will read the General Education module(s) with 'GEK' code.
 - Students admitted in and after AY2015/16 will read the General Education module(s) with 'GEH/GET' code(s)."
- Source: National University of Singapore. Dept. of Mathematics Home Page. Curriculum Updates. <http://ww1.math.nus.edu.sg/undergrad.aspx?f=stucurrupdates> (Accessed July 2015)*
- 2015** "The Department of Mathematics is pleased to establish a new University-level award titled "Medal of Excellence in Mathematics", with effect from Academic Year 2014/2015. Comprising a gold medal and book prize of \$500, this annual award will be awarded to a student in Mathematics who has obtained First Class honours and who has also demonstrated excellence and potential in the pursuit of Mathematics. The first recipient of this award was Mr Johan Gunardi, who graduated in 2015." Math
- Source: National University of Singapore. Department of Mathematics Newsletter. Issue 7. Jan - Jun 2015. p3. <http://ww1.math.nus.edu.sg/newsletter/Issue%207-Jan%20to%20June%202015.pdf> (Accessed Aug 2015)*
- 2015** "The inaugural Singaporean Inorganic Chemistry Symposium (SICS2015) was held at University Town on the 29th of July, 2015. The symposium featured researchers from over thirteen inorganic based research groups from both the NUS Department of Chemistry and the NTU Division of Chemistry and Biological Chemistry in attendance. A wide range of inorganic research was showcased by eleven speakers, varying from Chem

medicinal chemistry to catalysis to fundamental main group chemistry. 'Best Speaker' awards were presented to Mr Kennard Gan (NTU), Ms Shi Xiaoyan (NTU) and Mr Kelvin Lim (NUS)."

Source: National University of Singapore. Dept. of Chemistry Home Page. <http://www.chemistry.nus.edu.sg> (Accessed Sep 2015)

- 2015** "Eighteen former and current NUS faculty members have been profiled in Singapore's Scientific Pioneers, a commemorative book about the country's science and technology efforts. The 120-page book, published by the Asian Scientist with grants from the SG50 Celebration Fund and the Nanyang Technological University, lists a total of 25 scientists aged 50 and above who have made exceptional contributions to Singapore's scientific, engineering, medical and education sectors over the last five decades. FOS

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Former NUS Science Dean Dr Gloria Lim was recognised for the role she played in grooming generations of botanists — some of whom work at the Singapore Botanic Gardens, now a UNESCO World Heritage Site. Many of her former students have also gone on to serve the nation as science educators.

"It was a whole wide field for me. No one did research in fungi then," said Dr Lim, who is well-known regionally for her expertise in mycology and the related area of plant pathology, which is widely used in agriculture.

...

The 18 Singapore Scientific Pioneers from NUS are:

...

- Emeritus Professor Louis Chen, Department of Mathematics
- Adjunct Research Professor Chou Loke Ming, Department of Biological Sciences

...

- Emeritus Professor Huang Hsing Hua, Department of Chemistry
- Dr Gloria Lim, Department of Botany

...

- Adjunct Professor Phua Kok Khoo, Department of Physics

...

- Professor Bernard Tan, Department of Physics

...

•Professor Leo Tan, Department of Biological Sciences"

Source: National University of Singapore. NUS News Home Page. Highlights. 28 August 2015. <http://news.nus.edu.sg/highlights/9357-science-pioneers-honoured> (Accessed Sep 2015)

2015 "The inaugural Asia Pacific Symposium on Food Safety, held at the Faculty of Science on 21 August, was jointly organised by the Southeast Asia Association for Food Protection (SEA AFP) and the Asia Pacific Institute of Food Professionals (APIFP). The Faculty's Food Science and Technology (FST) Programme participated as one of the organisers. Chem

The Asia Pacific is a fast-growing and diverse region which presents unique challenges in food safety, such as the increase in salmonellosis and food adulteration. Strengthening regional cooperation and collaboration is crucial to better understand and address these challenges. The symposium also served as a platform to facilitate future partnerships and raise awareness on regional food safety issues. Topics covered at the symposium included food safety challenges in Southeast Asia, chemical adulterants and contaminants and recent research trends on food preservation.

The symposium commenced with Prof Zhou Weibiao, Director of the FST Programme, welcoming the speakers and participants. The symposium featured speakers from universities and food industry stakeholders in the region, who exchanged knowledge on different aspects of food safety."

Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://www.science.nus.edu.sg/newshub/1371-inaugural-asia-pacific-symposium-on-food-safety> (Accessed Sep 2015)

2015 "The Faculty of Science has enhanced the Undergraduate Professional Internship Programme (UPIP). This structured, credit-bearing internship module is offered to Year 2 and Year 3 science students. In AY2014/15, major- related positions were increased by over 50 per cent especially in the Life Sciences and Chemistry fields. Industry giants such as Veolia, Novartis, GE, Illumina and GlaxoSmithKline were added to the growing list of more than 100 UPIP partners. Besides the vacation period, the module will also be offered during the regular semester to almost all Science majors beginning in AY2015/16." FOS

Source: National University of Singapore. Annual Report 2015; p 32. <http://www.nus.edu.sg/annualreport/pdf/nus-annualreport-2015.pdf> (Accessed Nov 2015)

2015 "The Department of Mathematics is pleased to establish a new University- Math

level award titled "Louis Chen Hsiao Yun Best Dissertation Prize", with effect from AY2015/2016. This prize is awarded annually to the student with the best PhD thesis in the field of mathematics or applied mathematics, and is open to all graduating PhD students from the Department of Mathematics. The first award will be given out at Commencement 2016."

Source: National University of Singapore. Department of Mathematics Home Page. <http://ww1.math.nus.edu.sg/about.aspx?f=newsarchive> (Accessed Jan 2016)

- 2015** "The Department of Pharmacy established its first endowed bursary fund in July 2015 to commemorate its 110th anniversary. Alumni, staff, students and friends supported the fund-raising drive and \$150,000 was raised within a month. The department will continue to grow the fund to help its financially needy students. The fund marks an important milestone in the department's 110 years of history and achievements in pharmacy education and service to the public." Pha

Source: National University of Singapore. Faculty of Science. Annual Report. 2015; p 36. <http://www.science.nus.edu.sg/annual-report-2015> (Accessed Jan 2016)

- 2015** "The department also continued to finetune the Honours curriculum. In the past year, two new modules in data science at the Honours level - Data Modelling and Computation, and Mathematical Tools for Data Science - were developed. This significantly strengthened our offerings for the Mathematical Modelling and Data Analytics specialisation." Math

Source: National University of Singapore. Faculty of Science. Annual Report. 2015; p 24. <http://www.science.nus.edu.sg/annual-report-2015> (Accessed Jan 2016)

- 2015** "Thanks to a campus wide upgrading project, planning and preparation for renovation to all the physics teaching laboratories as well as the workshop in the department began as early as May 2013 and were completed by July 2015." Phy

The workshop became fully operational again in September 2015 after eight months of renovation. Workshop manager Mr Goh Eng Kee shared with Physics Matters a few improvements to the workshop. They included a fully air-conditioned working environment, increased illuminance and, with some walls knocked down, more space in the work area which improves mobility and space usage. Recycled furniture has also replaced many of the old storage racks, cabinets and cupboards which gives the workshop a more orderly look. The materials storage room has greater ease of access now

after refurbishing and reorganization.

Mr Goh also highlighted two important enhancements to the workshop. He was particularly enthusiastic about the addition of three 3D printing machines which not only facilitates the fabrication of more complicated tools or parts of equipment but also speeds up the process. A Student Corner is also carved out in the work area whereby students could have hands-on experience in drilling, milling and turning."

Source: National University of Singapore. Department of Physics Newsletter. Physics Matters Online January 2016. p4.
<http://www.physics.nus.edu.sg/newsletter/newsletter-jan2016.pdf> (Accessed Feb 2016)

- 2015** "The Bachelor of Environmental Studies alumni group was officially registered in September 2015 as the NUS Environmental Studies Alumni (NUSESA)." FOS

Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 8.
<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)

- 2015** "Initiated by several of our senior alumni, the Department recently launched a fundraising campaign to set up the Chemistry Alumni Fund (CAF) in conjunction with SG50 celebration [Nov 2015]..." Chem

Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue May 2017; p 2.
http://www.chemistry.nus.edu.sg/_file/alumni/Newsletter/2017May.pdf (accessed Jul 2017)

- 2016** "NUS Pharmacy has been appointed by Singapore's Ministry of Health to assist with the implementation of the new National Pharmacy Residency Programmes. The Programmes are aimed at enhancing the clinical skills of future pharmacists to provide better pharmaceutical care to their patients in Singapore." Pha

Commencing in January, they ensure the sustainability of a local training pipeline to produce pharmacists aspiring to be specialists. Adapting the American Society of Health-System Pharmacists' standards, six locally developed post graduate Year 1 and post graduate Year 2 specialty residency programmes were accredited by the Pharmacy Specialists Accreditation Board in July 2015. The programmes comprise the National Pharmacy Residency Programme, as well as separate Programmes in cardiology, geriatrics, infectious diseases, oncology and psychiatry.

NUS Pharmacy has set up an Office of Residency Training (ORT), under the supervision of Associate Professor Alexandre Chan, to implement the Programmes. The inaugural cohort consists of five residents on the National Pharmacy Residency Programme, and one resident each undertaking the cardiology and geriatrics specialisations."

Source: National University of Singapore. NUS News Home Page. 19 January 2016. <http://news.nus.edu.sg/highlights/9916-career-boost-for-pharmacists> (Accessed Jan 2016)

2016 "Two Nobel Laureates in Physics delivered talks and held scientific discussions at the Centre for Quantum Technologies (CQT) at NUS in January. The laureates were in Singapore to participate in the Global Young Scientists Summit (GYSS) organised by the National Research Foundation (NRF). Phy

Prof Gerard 't Hooft from Utrecht University in the Netherlands spoke on 21 January about "The role of fermions in magnetic monopoles and other solitons." He shared the Nobel Prize in Physics in 1999 "for elucidating the quantum structure of electroweak interactions in physics".

Sir Anthony Leggett from the University of Illinois at Urbana Champaign delivered a lecture on 22 January titled "The mean-field approach to superconductivity: Is it adequate for quantum-information purposes?". He shared the Nobel Prize in Physics in 2003 "for pioneering contributions to the theory of superconductors and superfluids".

Prof 't Hooft's talk concluded a three-day workshop at CQT organised by MajuLab, an International Joint Research Unit of the French research organisation CNRS with the University of Nice Sophia Antipolis, the Nanyang Technological University (NTU) and NUS. "The workshop was dedicated to research in SU(N) gauge fields and cold atoms, gathering experts in the field," says Prof Christian Miniatura, Director of the MajuLab. "Prof 't Hooft explained why the magnetic monopole predicted in Grand Unified Theories is a violent catalyst for proton decay."

Source: National University of Singapore. Faculty of Science. Newshub. <http://www.science.nus.edu.sg/newshub/1563-nobel-laureates-visit-the-centre-for-quantum-technologies> (Accessed Feb 2016)

2016 "It was a talk that would raise eyebrows—Colonisation of Planet Mars delivered by Nobel laureate in Physics (1999) Prof Gerard 't Hooft who is Phy

also an ambassador for the Mars One project. The public lecture on 27 Jan, organised by the Department of Physics in collaboration with the Netherlands Embassy, attracted a great turnout of students, NUS staff, the Dutch community and members of the public.

Mars One is a not-for-profit foundation with the aim of establishing a permanent human settlement on the planet Mars. Plans to launch an unmanned mission and selection of suitable candidates are already underway. In his talk, Prof 't Hooft shared about what led to his becoming an ambassador for Mars One. He supports and is optimistic about the mission to Mars though budget and timeline are practical concerns to be dealt with. Prof 't Hooft also addressed issues such as the feasibility and sustainability of the mission raised by audience."

Source: National University of Singapore. Department of Physics Newsletter. Physics Matters Online January 2016. p1. <http://www.physics.nus.edu.sg/newsletter/newsletter-jan2016.pdf> (Accessed Feb 2016)

2016 "The Joint Symposium on Food Science and Technology between the National University of Singapore Food Science & Technology (NUS FST) programme and Kasetsart University (KU), the largest university in Thailand, was held at NUS on 23 February.

Chem

This inaugural joint symposium was a platform for both institutions to exchange views and share on their research activities and outcomes. It also facilitated regional cooperation and encouraged future partnerships between the two institutions on new research collaborations.

The symposium commenced with welcome addresses by Professor Zhou Weibiao, Director of NUS' FST programme and Dr Sasitorn Tongchitpakdee, Vice Head of the Department of Food Science and Technology, Faculty of Agro-Industry in KU. There were 11 oral and 19 poster presentations on various topics such as food processing, food safety, fermentation, functional foods and food chemistry. The topics covered major research and development trends and issues in Southeast Asia's food industry.

Close to 60 participants from NUS, KU, the polytechnics and local food industry representatives attended the symposium."

Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://science.nus.edu.sg/newshub/1613-joint-symposium-on-food-science-technology-between-nus-fst-and-kasetsart-university> (Accessed Apr 2016)

2016 "On 24 and 25 February, NUS' Food Science & Technology Programme (FST) organised its inaugural Open House. The aim of the event was to provide prospective students a better understanding of the FST programme as well as the career prospects of an FST graduate. Chem

The response was overwhelming with over 120 participants from various junior colleges (JCs) and institutions such as Hwa Chong JC, Raffles JC, National JC, Temasek JC, Jurong JC, Nanyang JC, Anderson JC and St Andrew's JC attending the Open House over the two days."

Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://science.nus.edu.sg/newshub/1601-inaugural-fst-open-house> (Accessed Apr 2016)

2016 "The sperm whale recovered by the NUS Lee Kong Chian Natural History Museum (LKC�NHM) last July in Singapore waters has received about \$1.3 million in donation. Dubbed "Jubi Lee" by LKC�NHM staff as it was found during Singapore's Golden Jubilee year, the whale will be used for related scientific and educational programmes. The mounted skeleton of the 10.6-metre mammal will be open for public viewing from 15 March at the Museum's gallery. LKC�NHM

Organisations and individuals contributed to the Jubilee Whale Fund during a fundraising dinner at Singapore Zoo on 20 February. Guest-of-Honour Emeritus Senior Minister Goh Chok Tong graced the event, which was also attended by NUS President Professor Tan Chorh Chuan; Mr S Dhanabalan, Chairman of Temasek Trust and Mandai Safari Park Holdings; Ambassador-at-Large Professor Tommy Koh; and about 200 guests."

Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/10044-whale-exhibit-gets-1-3m> (Accessed Apr 2016)

2016 "Applause and cheers broke out as the curtains dropped to reveal the long-awaited Jubilee Whale exhibit on 14 March. Fondly nicknamed "Jubi Lee", the animal was recovered off the coast of Singapore in July last year by the Lee Kong Chian Natural History Museum (LKC�NHM) at NUS. LKC�NHM

The nearly complete skeleton of the 10.6-metre sperm whale, mounted at the Museum Gallery in the mammal section, was unveiled by Ms Ho Ching, Chief Executive Officer of Temasek Holdings. Other distinguished guests included Dr Vivian Balakrishnan, Minister for Foreign Affairs; Mr S

Dhanabalan, Chairman of Temasek Trust and Mandai Safari Park Holdings; Professor Tommy Koh, Ambassador-at-Large and Chairman of the Museum's Advisory Board; NUS Trustees Madam Kay Kuok and Mr Ng Wai King; NUS President Professor Tan Chorh Chuan; Professor Shen Zuowei, NUS Science Dean; and Professor Leo Tan, Director (Special Projects), NUS Science."

Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/10160-jubilee-whale-unveiled> (Accessed Apr 2016)

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|-------------|---|--------------|
| 2016 | <p>"The International Commission on Zoological Nomenclature (ICZN), a global organisation which advises and arbitrates the standardisation of scientific names of animals, has partnered NUS to set up an endowment fund to protect the long-term viability of the ICZN ... The endowment will help ICZN set up a Secretariat to coordinate cases involving rules for naming animals, conflicts over scientific naming and other associated issues. The interest generated by the fund will also go towards operating the Secretariat based at the Lee Kong Chian Natural History Museum at NUS."</p> <p><i>Source: National University of Singapore. NUS News Home Page. http://news.nus.edu.sg/highlights/9844-animal-names-arbiter-gets-1-35m (Accessed Apr 2016)</i></p> | LKC
HM |
| 2016 | <p>"Undergraduates can look forward to a new degree programme in Data Science and Analytics in the new academic year this August. The four-year direct Honours programme, offered by the Departments of Mathematics, and Statistics & Applied Probability in NUS Science, in collaboration with NUS Computing, will have an initial intake of about 60 students."</p> <p><i>Source: National University of Singapore. NUS News Home Page. http://news.nus.edu.sg/highlights/10148-grooming-data-science-experts (Accessed Apr 2016)</i></p> | Math
Stat |
| 2016 | <p>"NUS' Department of Physics organised Solar Eclipse @ NUS on 8 to 9 March. This event celebrated a spectacular astronomical phenomenon, a partial solar eclipse with an obscuration of almost 90% which was visible in Singapore on 9 March."</p> <p><i>Source: National University of Singapore. Faculty of Science Web Page. http://science.nus.edu.sg/newshub/1572-solar-eclipse-2016-nus (Accessed Apr 2016)</i></p> | Phy |
| 2016 | <p>"NUS Deputy President (Academic Affairs) and Provost Professor Tan Eng Chye announced the expansion of the grade-free policy for first-year students from AY2016/17, allowing them to decide whether to include the grades for up to 32 modular credits in their first year ... The revised grading</p> | FOS |

policy for freshmen in Arts and Social Sciences, Business, Computing, Design and Environment, Engineering, Music, Nursing and Science is one of the innovative educational initiatives which the University has implemented in recent years. The changes aim to provide NUS students with a transformational educational journey that prepares them well for life in the 21st century."

Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/10413-grade-free-scheme-benefits-freshmen> (Accessed May 2016)

- 2016** "The module LSM4299 Applied Project in Life Sciences is a new option offered to Life Sciences Majors to be considered for the completion of the Level 4000 Honours year major requirements. Differing from and as an alternative to LSM4199 Honours Project in Life Sciences which generally involves a topic of basic or preclinical research, LSM4299 serves as a platform to accommodate internship and professional placements in applied and industrial contexts, as well as projects that are of non-basic/preclinical science research nature. Relevant projects of non-academic research nature may be in the areas of, but not limited to, administration and management, outreach and public awareness, marketing and business strategy, etc."
- Source: National University of Singapore. Life Sciences Undergraduate Programme Home Page. http://www.lifesciences.nus.edu.sg/info/lsm4299_guide.pdf (Accessed May 2016)*
- 2016** "NUS students [received insights] into how the healthcare systems in Hungary and Austria [met] the citizens' needs when they went on a Study Trip for Engagement and Enrichment (STEER) to Central Europe. Co-organised by NUS Pharmacy and NUS International Relations Office, 28 NUS Pharmacy undergraduates participated in this inaugural Faculty of Science programme from 28 May to 6 June to gain a holistic appreciation of the two countries."
- Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/highlights/10518-lessons-from-central-europe> (Accessed Jul 2016)*
- 2016** "NUS' Faculty of Science (FoS) and Colgate University signed a Memorandum of Understanding (MOU) on 7 June, creating a new exchange programme which broadens study abroad programme options for students from both institutions. The MOU will also serve as a catalyst for future collaboration."
- Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://science.nus.edu.sg/newshub/1754-new-exchange-programme-with->*

colgate-university (Accessed Jul 2016)

- 2016** "In July 2016, the Leung Kai Fook Medical (LKF) Company, one of Singapore's oldest medical companies, gifted \$220,000 to NUS' Department of Pharmacy to fund pharmaceutical research on natural products to treat arthritis ... Mr Leong Mun Sum, LKF's Managing Director, gifted \$250,000 to set up the Leong Mun Sum Scholarship."
Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 41.
<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)
- 2016** "The Department has just established a research collaboration with its counterpart at the King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia. Under the collaboration, six projects involving faculty members from both departments will receive funding of S\$1.1 million over three years."
Source: National University of Singapore. Department of Chemistry Home Page. <http://www.chemistry.nus.edu.sg> (Accessed Jul 2016)
- 2016** "To improve the learning experience, the Department restructured the programme recently by giving students more choices in module selection (up to 7 electives) and greater flexibility for project work. Students can now opt to undertake an Advanced M.Sc. project in lieu of coursework modules."
Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue May 2017; p 2.
http://www.chemistry.nus.edu.sg/_file/alumni/Newsletter/2017May.pdf (accessed Jul 2017)
- 2016** "The inaugural Chemistry Graduate Research Symposium was organized by the Chemistry Graduate Society on 12 Aug 2016 at the University Hall. It was a one-day poster presentation event which a total of 71 Chemistry graduate and post-doctoral researchers presented their research work in front of their peers and the faculty members in the department."
Source: National University of Singapore. Department of Chemistry Home Page. <http://www.chemistry.nus.edu.sg> (Accessed Aug 2016)
- 2016** "In September 2016, the Faculty received our first donation under the new scholarships initiative from alumnus Mr Lee Kiow Seng, Chief Executive Officer, Seagift Food Pte Ltd. Seagift Food, an industry leader in the frozen seafood business, gifted \$300,000 to establish the NUS [Science]- Seagift Merit Scholarship for FST undergraduates. The scholarship will cover the full term of the student's candidature."
Source: National University of Singapore. Faculty of Science. Annual Report.

2016; p 41.

<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)

- 2016** "The Faculty organised our inaugural Industry Day on 2 September 2016. The event comprised an industry fair with 12 participating organisations from diverse sectors that shared on their development programmes and career opportunities." FOS

Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 19.

<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)

- 2016** "The Faculty signed several Student Exchange Agreements in 2016, creating new programmes which broaden our students' study abroad options. One unique programme is with the highly reputable Colgate University, New York, enabling our students to take courses and conduct research in a liberal arts educational environment. A structured exchange programme with Chang Gung University (CGU), Taiwan allows our students to read courses in reliability science and technology and to work on industry-related problems at CGU's Centre for Reliability Sciences and Technologies, Asia's only such centre. Other new exchange programmes include collaborations with Radboud University, the Netherlands and Cornell University's College of Agriculture and Life Sciences. New interinstitutional agreements with Université Pierre et Marie Curie and Karolinska Institutet have successfully secured six-month study abroad grants for eight students from the premier Erasmus+ programme under the European Commission." FOS

Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 6.

<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)

- 2016** "This year, the Bachelor of Environmental Studies (BES) celebrated its fifth anniversary together with two other degree programmes focusing on the environment - the Master of Science in Environmental Management and NUS Law School's Asia-Pacific Centre for Environmental Law also celebrated their 15th and 20th anniversaries, respectively." FOS

To mark the celebrations, a conference was organised on 9 to 11 November 2016 featuring a line-up of distinguished speakers who shared their insights on the conference theme - Achieving the United Nations' Sustainable Development Goals."

Source: National University of Singapore. Faculty of Science Home Page. Newshub. <http://www.science.nus.edu.sg/newshub/1939-bachelor-of->

environmental-studies-celebrates-fifth-anniversary (Accessed Jun 2017)

- 2016** "The Faculty signed a Memorandum of Understanding with the University of Dundee (UoD) on 2 November 2016 which opened opportunities to more mutual academic and scientific research options for staff and a Joint Degree Programme (JDP). The JDP enables NUS Life Sciences students to study drug discovery and design at UoD. UoD's Life Sciences students can study Neurobiology, Human Physiology and Functional Ageing, or Genetic Medicine at NUS.
- FOS
Bio
- We are collaborating with the University of Melbourne to offer a Concurrent Degree Programme (CDP), encompassing a B.Sc. (Life Sciences)-Doctor of Veterinary Medicine. Students will acquire theoretical, practical and clinical training in veterinary medicine and veterinary science. The CDP integrates the two degree programmes, so that students can accelerate and complete the programme in 5.5 years."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 9.*
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2016** "Newly designed modules on high-dimensional statistical analysis and optimisation for large scale data-driven inference were introduced as part of the specialisation in Data Science under the Statistics major programme. This specialisation is offered from Academic Year 2016/2017 and prepares graduates for emerging challenges in the collection and analysis of voluminous data."
- Stat
- Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 5.*
<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)
- 2016** "The Quantitative Reasoning module was launched under the revised General Education framework implemented in Academic Year 2015/2016. The module, which is compulsory for all newly matriculated students, equips undergraduates with basic reasoning skills on using data to address real-world issues."
- Stat
- Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 5.*
<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)
- 2016** "The new Applied Project module, offered to Life Sciences and Chemistry Honours students from Academic Year 2016/2017, better prepares students
- Bio
Chem

for the workplace through internships in applied and industrial contexts."

Source: National University of Singapore. Faculty of Science. Annual Report. 2016; p 11.

<http://www.science.nus.edu.sg/images/LandingPage/About/Annual-Report-2016-links.pdf> (Accessed Dec 2016)

- 2016** "The Special Programme in Science (SPS) marked its 20th anniversary with a series of events throughout the year. ... Prof Tan also announced the launch of the SPS Fund to help financially disadvantaged students. The Fund will enable them to attend supplementary academic programmes and overseas trips, and to participate in competitions and conferences. In support of a special fund-raising drive, more than \$17,000 was raised through the generous support of guests, who offered donations and purchased SPS20 anniversary tee-shirts designed by students." FOS

Source: National University of Singapore. Faculty of Science Web Page. <http://www.science.nus.edu.sg/newshub/1928-special-programme-in-science-sps-celebrates-20th-anniversary> (Accessed Oct 2016)

- 2017** "As part of Science Industry Day 2017, the Faculty and Terra Weather, a Singapore-based weather technology company, co-organised the inaugural Internet of Things (IoT) Datathon." FOS

The Datathon was a six-week event where NUS students are mentored by industry experts and seasoned programmers to develop new IoT data-driven applications that solve real challenges faced by small and medium enterprises (SMEs). Following the launch on 30 January, teams went through a Mini Academy in February and March where they received technical mentorship on programming concepts and product development. The Datathon culminated on 17 March, when the finalists presented their proofs of concept to a team of judges and showcased their prototypes at an exhibition."

Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://www.science.nus.edu.sg/newshub/2109-inaugural-internet-of-things-datathon> (Accessed Jun 2017)

- 2017** "On 23 February, the Office of Residency Training (ORT), NUS organised the inaugural National Pharmacy Residency Conference at the NUSS Kent Ridge Guild House for the pioneer cohort of seven Pharmacy Residents from the January 2016 intake who successfully completed their 12-month residency training under the Ministry of Health (MOH)-funded National Pharmacy Residency Programmes." Pha
- Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://science.nus.edu.sg/newshub/2079-inaugural-national-pharmacy-residency-conference> (Accessed Jun 2017)*
- 2017** "The Department of Biological Sciences (DBS) celebrated its 20th anniversary on 10 March at the NUSS Guild House. DBS evolved from the merger of two of the oldest departments in the Faculty of Science: the Department of Botany and the Department of Zoology. The Classes of 1995 to 1997 were invited to an inaugural alumni reunion dinner as part of the celebration." Bio
- Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://science.nus.edu.sg/newshub/2136-department-of-biological-sciences-celebrates-20th-anniversary-3> (Accessed Jun 2017)*
- 2017** "We launched our first temporary gallery exhibition, 'Out of the Water', on 11 March. Guests included donors of the Jubilee Whale Fund and those who aided in the salvage process." LKN
HM
- Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 34. http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)*
- 2017** "The Faculty established an SEP [i.e. Student Exchange Programme] with the University of Tokyo (UTokyo) for five years, from 17 March. This provides a unique opportunity for Environmental Studies and Faculty students to read courses at UTokyo's PEAK (Programmes in English at Komaba)." FOS
- Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 9. http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)*

- 2017** "... Department of Mathematics held its inaugural Data Science and Analytics themed-event on 15 March ... Through this event, the Department of Mathematics seeks to reach out to the general public and pre-university students, especially those who are interested to pursue data science and mathematics related subjects when they enter university, to share on the fast-growing field of data science and its applications in daily living."
Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://science.nus.edu.sg/newshub/2076-inaugural-data-science-and-analytics-day> (Accessed Jun 2017)
- 2017** "On 17 April 2017, the Faculty of Science launched its Science Merit Scholarship initiative with a dinner attended by some 200 alumni, benefactors, corporate partners, students and staff.

This special occasion was graced by Guest of Honour President Dr Tony Tan Keng Yam, Chancellor of NUS, who is an alumnus of the Faculty of Science. Also present were NUS President Prof Tan Chorh Chuan and Deputy President and Provost Prof Tan Eng Chye."
Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://science.nus.edu.sg/newshub/2084-launch-of-nus-science-merit-scholarship-initiative> (Accessed Jun 2017)
- 2017** "A new Diabetes Care programme was launched on 3 May 2017 by Watsons Singapore and the Department of Pharmacy at NUS Faculty of Science to encourage higher patient compliance in the management of the chronic disease. Patients will pay \$60 to receive at Watsons a monthly testing kit as well as eight consultations with pharmacists over 12 months to help manage their condition."
Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/news-reports/watsons-nus-pharmacy-dept-help-diabetes-patients-manage-chronic-disease> (Accessed Jun 2017)
- 2017** "The NUS Chemistry Laboratory in Tahir Foundation Building is one of the inaugural winners of BCA's platinum awards under the new BCA Green Mark for Laboratories scheme. The scheme is the world's first green certification scheme for laboratory design and operation in Singapore. NUS is the first Institute of Higher Learning in Singapore to be conferred the inaugural platinum award."
Source: National University of Singapore. NUS News Home Page. <http://news.nus.edu.sg/news-reports/bca-launches-new-certification-scheme-laboratories-green-footprint> (Accessed Jun 2017)

- 2017** "... We have collaborated with NUS Libraries to launch the Biodiversity Library of Southeast Asia (BLSEA). LKCN
HM
- BLSEA is an online resource that allows people all over the world to access digitised versions of biodiversity publications that are focused on Southeast Asia. This includes old publications from the museum, such as the Bulletin of the Raffles Museum, as well as many others."
- Source: National University of Singapore. News from Lee Kong Chian Natural History Museum Web Page. <https://lkcnhm.net/2017/05/25/launch-of-the-biodiversity-library-of-southeast-asia> (Accessed Jun 2017)*
- 2017** "For the first time, the Science Demonstration Laboratory, Department of Chemistry and Dow Chemical Pacific (Singapore) Pte Ltd collaborated to give 30 teachers from 19 schools a perspective of science's impact on society. At the Chemistry Week workshop, teachers engaged Young Educators in Science members on experiments and classroom teaching ideas. They also visited Dow Consumer Solutions' Laboratory to observe industrial product demonstrations." FOS
Chem
- Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 7.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)*
- 2017** "In July, QAF Limited pledged a gift of \$100,000 in the name of Gardenia Foods (S) Pte Ltd to set up the Gardenia Bursary for our students over five years. The bursaries are valued at \$10,000 each." FOS
- Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 41.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)*
- 2017** "The Department of Chemistry is introducing a new specialised M.Sc. programme focusing on important topics in Energy and Environment from August 2017. This programme aims to train professionals in both content knowledge and practical R&D skills in strategic areas that are pivotal to Singapore's economy. In addition to three core and three elective modules, students work on a 10-month R&D project under the supervision of faculty members, and in some cases, co-supervisors from relevant industries. The Department is actively and continually seeking partnership with industries to collaboratively tackle real problems through these joint R&D projects." Chem
- Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue May 2017; p 2.
http://www.chemistry.nus.edu.sg/_file/alumni/Newsletter/2017May.pdf (accessed Jul 2017)*

- 2017** "The Second Major in Data Analytics, offered from Academic Year 2017/2018 for cohort from Academic Year 2016/2017 and after, incorporates interdisciplinary learning from computer science, mathematics and statistics. Students acquire skills to tackle data-related issues at the workplace."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 5.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- Math
Stat
- 2017** "The Second Major in Food Science for Chemistry students, which covers the multidisciplinary nature of food science, will be offered through direct admissions from Academic Year 2017/2018. Food chemistry and flavour science modules provide training and applied perspectives in these areas. Nutrition-related modules will cover food aspects beyond physical and chemical properties."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 5.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- Chem
- 2017** "From Academic Year 2017/2018, Data Science and Analytics students can opt for credit-bearing internships under this [Cooperative Education] programme, where they gain on-the-job experience by relating studies to real-world issues. Students spend five semesters/terms with various reputable employers during their third and fourth years of study. This enhances their employability after graduation."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 5.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- Math
Stat
- 2017** "The newly established Data Analytics Consulting Centre [DACC] offers consulting services and executive courses, and collaborates with industry partners to unlock the value of Big Data for business growth. Its outreach programme aims to raise awareness of new career and business opportunities in the fast-growing data science sector, and to expose students to real-world data-driven problems."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 5.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- Stat

- 2017** "We established an Undergraduate Research Opportunities Programme in Science (UROPS)-SEP with the elite Zhiyuan College, Shanghai Jiao Tong University for five years, from 2 May. A similar programme was established with St John's College, University of Cambridge on 18 September."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 9.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2017** "Under an SEP with the Norwegian University of Science and Technology (NTNU) established on 14 August, NUS Pharmacy students will undertake a final year research project at NTNU, on diagnostics and therapy, health promotion, prevention and management, and technology systems, welfare technology and health services organisation. NTNU students will undertake a year-long Masters research project at NUS."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 9.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2017** "The Faculty established a Student Exchange Programme Agreement for undergraduate and postgraduate students with the Faculty of Science, University of Leiden for five years, with effect from 4 August."
Source: National University of Singapore. PVO Half Yearly Report; July to December 2017.
- 2017** "Alumni can now read modules for free in the first year, under NUS' new lifelong learning initiative. From Academic Year 2017/2018, our alumni can take up to two modules over three years, from 28 modules offered in Chemistry, Food Science and Technology, Life Sciences, Mathematics, Pharmacy, Physics as well as Statistics and Applied Probability. No fees are charged in the first year of study. In the subsequent two years, course fees are waived and only a Student Services fee is charged."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 20.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2017** "In 2017, the Life Sciences Major was revised, to offer students a new and more flexible structure. Core foundational modules were reorganised to comprehensively cover Molecular Genetics, Molecular Cell Biology and Evolutionary Biology in Year 1. From Year 2, students can chart their own academic progress with modules covering the full spectrum of Life Sciences disciplines. For the first time, Honours students can undertake applied

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Bio

internship projects or complete coursework-taught modules, apart from the Honours research project. We also expanded our offerings to include a Life Sciences-Management Double Major Programme and a Life Sciences-Public Health Major-Minor Programme."

Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 22.

http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)

- 2017** "We launched a full year of experiential learning for Year 4 students, the cornerstone of our transformative new curriculum that was implemented in Academic Year 2014/2015. This comprises a compulsory six-month credit-bearing internship towards professional pharmacists' registration, as well as a Final Year Project (FYP). For the latter, we collaborated with the Centre for English Language to launch a novel FYP which is amalgamated with Scientific Communication. This framework is designed as a testbed for using student-specific research experiences as the context for learning about scientific writing." Pha

Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 28.

http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)

- 2017** "Astrophysics I, a new module launched in 2017, covers astronomical observations and telescopes, as well as celestial mechanics, or the application of classical mechanics to astronomy. The third part of the module introduces stellar physics. Phy

Another new module, Radiation: Scientific Understanding and Public Perception, equips students to evaluate the potential risks and uses of radiation in modern society, including radiation use in medical diagnoses and treatments, and other applications."

Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 30.

http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)

- 2017** "We sought to expand the exposure of students specialising in data science through a Data Mining module at the third level, in addition to the current one at the Honours level. This prepares students for careers managing large and complex datasets, which are now generated on a daily basis by activities in the sciences, administration, leisure and commerce." Stat

Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 32.

http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)

- 2017** "In September, Mdm Lee Ying gifted \$400,000 to the Department of Pharmacy to fund research on the efficacy and safety of medicinal plants and their components, to address healthcare and medical needs." Pha
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 41.
http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2017** "The Pharmaceutical Innovation and Research Centre (PIRC) under the Department of Pharmacy was established in 2017 with the aim of delivering research solutions to problems associated with healthcare, biomedical sciences, consumer care, cosmeceuticals, nutrition, and so on, through collaboration with industries, government organisations, regulatory bodies, multi-nationals and small-medium enterprises." Pha
Source: National University of Singapore. Pharmaceutical Innovation & Research Centre Home Page. <https://pharmacy.nus.edu.sg/pirc/> (Accessed Mar 2018)
- 2017** "The Enpee Group scholarship was established in 2017 by Mr Sanjay Kirpalani, Chairman of the Enpee Group ... targeted for students enrolling in the Bachelor of Environmental Studies Programme at NUS. The scholarship will be tenable for the full course duration and will cover prevailing tuition fees." FOS
Source: National University of Singapore. Bachelor of Environmental Studies Web Page. Scholarships & Bursaries. <http://envstudies.nus.edu.sg/student-services/scholarship/> (Accessed Mar 2018)
- 2017** "The Huang Hsing Hua Chemistry Merit Scholarship was established during the Chemistry 88th Anniversary event in honour of Emeritus Professor Huang Hsing Hua." Chem
Source: National University of Singapore. Department of Chemistry. NUS ChemConnections, Issue Jan 2018; p 2.
http://www.chemistry.nus.edu.sg/_file/alumni/Newsletter/2018Jan.pdf (accessed Mar 2018)

- 2018** "The Department of Pharmacy established a three-year Student Exchange Programme agreement for undergraduates and postgraduates with College of Medicine and Health, University College Cork with effect from 16 March. This exchange allows students from both universities to gain real-world research and technical experience."
Pha
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 11.
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)
- 2018** "Scientists from the Lee Kong Chian Natural History Museum, Tropical Marine Science Institute, and the Research Centre for Oceanography, Indonesian Institute of Sciences, embarked on a 14-day expedition on 23 March of the unexplored deep seas off the southern coast of West Java. They collected some 800 species from over 200 families of sponges, jellyfish, molluscs, starfish, urchins, worms, crabs, prawns and fish. The expedition ties in with RISING50, a celebration of 50 years of diplomatic ties between Singapore and Indonesia."
LKCN
HM
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 9.
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)
- 2018** "The Department of Mathematics signed a 3+2 joint educational programme agreement with School of Mathematics, Tianjin University (TJU) for five years, from 3 April. Selected Year 3 students from TJU will continue their studies at NUS for two years in Mathematics, Statistics, Quantitative Finance, or Data Science and Analytics. Upon fulfilling programme requirements, students will receive a Graduation Diploma and a Bachelor of Science from TJU, as well as an M.Sc. from NUS."
Math
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 11.
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)
- 2018** "The Department of Biological Sciences signed a three-year Summer Course Agreement with the Department of Chemistry, School of Pharmaceutical Sciences, Zhejiang University as well as School of Pharmacy, Huazhong University of Science and Technology, from 30 April, 4 May and 7 May respectively. The three-week intensive, research-led course will expose participants to wide-ranging modern biological knowledge and techniques used in research laboratories and industries."
Bio
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 11.

<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)

- 2018** "On 31 May, the Data Analytics Consulting Centre organised a [inaugural] conference which featured leading data science experts from the public sector, multinational corporations and a startup. The event gave an overview of Singapore's data science and analytics landscape, and the importance of academia-industry collaborations in achieving Singapore's Smart Nation vision. The conference was paired with a workshop on 1 June, which included case studies on practical applications of data analytics concepts to solve business issues."
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 9.
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019) Stat
- 2018** "NUS' Food Science and Technology programme, together with NUS (Suzhou) Research Institute (NUSRI), signed 3+1+1 joint educational programme agreements with two universities in China - College of Food Science, South China Agricultural University and School of Food and Biological Engineering, Jiangsu University. The five-year agreements take effect from 9 July and 14 June respectively. Selected Year 3 students from the Chinese universities will spend one bridging year, their 4th year, at NUSRI before applying for NUS' Master of Science (M.Sc.) in Food Science and Human Nutrition programme."
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 11.
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019) Chem
- 2018** "The Food Science and Technology (FST) programme and the National University of Singapore (Suzhou) Research Institute (NUSRI) have established a 3+1+1 Joint Educational Programme Agreement with School of Food Science and Technology, Jiangnan University for five years, with effect from 3 July 2018.

Under the proposed "3+1+1 framework", suitable Year 3 candidates with good academic standing (benchmarked with NUS-FST M.Sc. admission criteria) from Jiangnan will be selected to spend a bridging period at NUSRI during their 4th year, i.e. for the first "+1" year. While in their 4th year, in accordance with deadlines applicable to all other M.Sc. applicants, they will apply for M.Sc. (Food Science & Human Nutrition) admission as full-time full-fee paying students according to the normal admission criteria. The Chem

time spent in the M.Sc. (Food Science & Human Nutrition) programme constitutes the second “+1” year, irrespective of whether the actual time spent is one calendar year.”

Source: PVO Report, July to December 2018

- 2018** "[Together] with the Alice Lee Centre for Nursing Studies, we [spearheaded] a national initiative, [commissioned by the Ministry of Health, termed] the Collaborative Prescribing Programme (CPP). This intensive 13-week programme for senior pharmacists and advanced practice nurses in hospitals trains them to prescribe certain classes of medications, as part of Singapore's National Healthcare Strategy for integrative and quality healthcare. The CPP provides additional skills and certification for experienced healthcare workers. The first batch completed the programme on 2 July."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 28.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)
- 2018** "The inaugural GSSP [Global Science Summer Programme] from 16 to 27 July was opened to NUS and overseas students from universities worldwide. Students took one or a feasible combination of two modules in Data Analytics and / or Forensic Science. The programme blends practice-based learning in cutting-edge scientific topics with a cultural immersion programme offering exposure to Singapore's multicultural society."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 8.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)
- 2018** "The Kewalram Chanrai Group made an expendable gift pledge, of which \$500,000 was received in July. This supports the university's palm oil research project, with a focus on identifying secondary metabolites that effectively contribute to defending against Ganoderma disease."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 39.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)
- 2018** "The Louis Chen Science Merit Scholarship was established in July in recognition of Prof Chen's achievements."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 39.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
(Accessed Jan 2019)

- 2018** "Given Singapore's focus on food security, NUS and Hokkaido University jointly designed a new four-week summer programme for students from both universities on parallel and comparative studies of agricultural advances in Singapore and Japan. Through classroom learning, field studies and site visits, students gained understanding of agriscience, agritechology and agronomy in improving field crop selection and production, and soil improvement and management."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 8.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
 (Accessed Jan 2019)
- FOS
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- 2018** "A new B.Sc. (Hons) in Pharmaceutical Science Programme [was launched at the start of] Academic Year 2018/2019. This [programme] addresses the growing demand for skilled professionals who can effectively work across the whole continuum of the pharmaceutical business [including discovery, development and delivery of pharmaceutical and biotechnological products]."
- Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://www.science.nus.edu.sg/newshub/2350-new-academic-programmes> (Accessed Mar 2018)*
- Pha
-
- 2018** "A new four-year Joint Degree Programme combining NUS' B.Sc. (Hons) in Life Sciences and University of Dundee (UoD)'s B.Sc. (Hons) in Biological Sciences/Biomedical Sciences will equip students with drug discovery and design expertise ...
- The first of its kind joint Honours programme enables NUS Life Sciences students to complete a full-year research project at UoD in drug discovery and design. Students will also gain hands-on training in drug optimisation and design, by leveraging UoD's partnerships with leading pharmaceutical and biotechnology companies in the fight against diseases."
- Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://www.science.nus.edu.sg/newshub/2350-new-academic-programmes> (Accessed Mar 2018)*
- Bio

- 2018** "From Academic Year 2018/2019, students can opt for a new Concurrent Degree Programme (CDP) combining NUS' B.Sc. in Life Sciences and the Doctor of Veterinary Medicine offered by the Faculty of Veterinary and Agricultural Sciences, University of Melbourne. The CDP integrates the two degree programmes so that it is possible to accelerate and complete the programme in 5.5 years."
Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://www.science.nus.edu.sg/newshub/2350-new-academic-programmes> (Accessed Mar 2018)
- 2018** "From August 2018, the Food Science and Technology Programme will offer a new M.Sc. in Food Science and Human Nutrition coursework programme."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 20. http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2018** "From August 2018, the Department of Mathematics, in collaboration with the School of Mathematical Sciences at Shanghai Jiao Tong University (SJTU) will offer a new M.Sc. in Quantitative Finance programme in Shanghai. This is a part-time programme for working professionals in China, to acquire advanced knowledge in quantitative finance. Students will receive an NUS degree and an SJTU certificate upon completion of the programme."
Source: National University of Singapore. Faculty of Science. Annual Report. 2017; p 20. http://www.science.nus.edu.sg/images/LandingPage/About/AR2017_web_Links_References2.pdf (Accessed Mar 2018)
- 2018** "... The Food Science and Technology programme has introduced the Applied Project module, enabling students to undertake internship projects in applied contexts as an alternative to the traditional Honours project."
Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 7. <http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf> (Accessed Jan 2019)
- 2018** "The Department of Pharmacy has established a SEPA with Skaggs School of Pharmacy and Pharmaceutical Sciences, Department of Clinical Pharmacy, University of Colorado Denver for five years, with effect from 4 September 2018, for the exchange of Doctor of Pharmacy students. The number of students to be exchanged between the universities in each academic year will be based on each party's need."
Source: PVO Report, July to December 2018

- 2018** "The Faculties of Science and Engineering, NUS are partnering Applied Materials Inc., to establish the lab to develop new semiconductor processes, chemistry and materials that enable the next generation of semiconductor manufacturing. This university-industry collaboration will design, synthesise and test new materials as well as processing techniques for atomic layer deposition and etching for advanced semiconductor manufacturing."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 9.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
 (Accessed Jan 2019)
- FOS
Chem
- 2018** "The Faculty has established a Visiting Student Research Programme Agreement with King Abdullah University of Science and Technology for five years, with effect from 27 November 2018. This programme allows NUS science students to gain laboratory research experience at KAUST and to foster an environment for possible future collaboration between the Faculty of Science at NUS and KAUST."
- Source: PVO Report, July to December 2018*
- FOS
- 2018** "Held from 19 to 21 November, the [inaugural Asia-Pacific Science Communication] conference gathered academics, researchers, alumni, science communicators and educators from Singapore and the Asia Pacific region to exchange views on science communication best practices from different countries.
- The conference was part of the 10th anniversary celebrations of the Joint Master in Science Communication programme, the first postgraduate degree of its kind in Singapore."
- Source: National University of Singapore. Faculty of Science Web Page. Newshub. <http://www.science.nus.edu.sg/newshub/2517-inaugural-asia-pacific-science-communication-conference-2018> (Accessed Jan 2019)*
- FOS
- 2018** "We structured two graduate certificates - Quality Assurance and Yield Optimisation, and Data Mining and Interpretation - the latter jointly with the Department of Mathematics."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 32.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
 (Accessed Jan 2019)
- Stat
Math

- 2018** "In line with NUS' initiative to introduce computational skills in the undergraduate curriculum, we offer two higher-order modules - COS2000 Computational Thinking for Scientists and CM3267 Computational Thinking and Programming in Chemistry, in Academic Year 2017/2018 and 2018/2019, respectively. The former is customised for NUS Science students, while the latter is an elective option for Chemistry, and Food Science and Technology majors to apply computational thinking skills to discipline-specific content."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 7.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
 (Accessed Jan 2019)
- FOS
Chem
- 2018** "The Faculty has worked hard over the past year to prepare a suite of Continuing Education and Training (CET) modules for adult learners that can lead to certificates, graduate diplomas and Master degrees on specialised themes relevant to skills development. We have obtained approval for over 50 SkillsFuture Singapore-funded credit courses... These CET courses in data science and analytics, food science and technology, pharmaceutical science, forensic science, and others, will help graduates to be up-to-date with the latest scientific developments and acquire new skills for emerging industries."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 5.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
 (Accessed Jan 2019)
- FOS
- 2018** "The [Forensic Science Minor] programme, which covers concepts and principles in the application of scientific techniques to forensic investigations and the criminal justice system, has been revised. Students now have more elective options. This includes five new interdisciplinary modules to broaden their exposure to specialised forensic science fields, more existing discipline-based science modules relevant to the forensic science curriculum, as well as Undergraduate Research Opportunities Programme in Science projects related to forensic science offered by our departments."
- Source: National University of Singapore. Faculty of Science. Annual Report. 2018; p 7.*
<http://www.science.nus.edu.sg/images/LandingPage/Frontpage/AR2018.pdf>
 (Accessed Jan 2019)
- Bio

2018 "... The Master programme name has been revised to MSc (Pharmaceutical Science & Technology). [In addition, the curriculum has been revised and made more accessible to lifelong learners through SSG funding and the creation of graduate certificates.]" Pha

*Source: National University of Singapore. Department of Pharmacy Web Page. MSc (Pharmaceutical Science & Technology) Programme.
<https://pharmacy.nus.edu.sg/msc-pharmaceutical-sciences-technology/>
(Accessed Jan 2019)*

References

Anniversary and Souvenir Publications

Title	Year	Call No.
Dainton, Frederick Sydney. Higher Education in Singapore.	1989	LA1239.2 Dai 1989
From the Alumni Perspective: Centenary of Tertiary Education, 1905-2005: Thence, Now, Hence; Lim, Kuang Hui, Ed.; Alumni Association of the King Edward VII College of Medicine and the Faculties of Medicine, Universities of Malaya and Singapore and the Office of Alumni Relations, National University of Singapore: Singapore.	2005	LG399 NUS.FR
Lee Boon Hiok. Planning and Management of the University of Singapore and Nanyang University Prior to Merger; Singapore: the Regional Institute of Higher Education and Development.	1983	LG 399 SU*L
Lee, Edwin; Tan, Tai Yong. Beyond Degrees: The Making of the National University of Singapore, Singapore University Press: Singapore.	1996	LG399 NUS*Le
Lim, Peter H.L.; Lam, Dana. The Heart Is Where It Is: The NUSS Story; Baker, Maurice, Ed.; National University of Singapore Society: Singapore.	1994	LG399 NUSS*L
Nanyang University. Some Aspects of Nanyang University; Pub. by the University on the Occasion of the Singapore Constitution Exposition: Singapore.	1959	LG399 NU*N
National University of Singapore. Department of Chemistry. Department of Chemistry Diamond Jubilee, 1929-1989.	1989	LG399 NUSDC.D
National University of Singapore. Department of Zoology. NUS Zoology 40th Anniversary 1950-1990.	1990	LG399 NUSDZ.N
National University of Singapore. Raffles College 1928-1949, The Alumni Affairs and Development Office, National University of Singapore: Singapore.	1993	LG399 RC.Ra
National University of Singapore. Science Club. In Contact: A Science Club Publication.	1989	LH7 IC
National University of Singapore. The National University of Singapore Modular System: Academic Year 1994/95.	1994	LG399 NUS.Nat
National University of Singapore. The NUS Story: 100 Years of Heritage; Quah, Marian, Ed.; NUS Museum, National University of Singapore: Singapore.	2006	LG399 NUS.NS 2006
National University of Singapore. Transforming Lives: NUS Celebrates 100 Years of University Education in Singapore.	2005	LG399 NUS.Tr 2005

Tan, Peng Boo. Education in Singapore, 2nd ed.; Singapore: Educational Pub. Bureau.	1972	LA1239.2 Edu
Tan, Shook Fong. Pharmacy in Singapore: A Journey Through the Years, Ministry of Health: Singapore.	2002	RS 67.12 Pha 2002
University of Singapore. Souvenir for opening of Science Tower and Science & Photographic Exhibition; Science Society, University of Singapore: Singapore.	1966	LG399 SUS.S
University of Singapore. The University of Singapore; University of Singapore: Singapore.	1980	LG399 Su.Si

Annual Reports

Title	Year	Call No.
King Edward VII College of Medicine, Singapore. Annual Report.	1935-1949	LG399 KE.A
National University of Singapore. Annual Report.	1980/1981-2008	LG399 NUS.AR
National University of Singapore. Department of Biological Sciences. Annual Report.	1997/1998	LG399 NUSDBS
National University of Singapore. Department of Chemistry. Annual Report.	1999/2000	LG399 NUSDC.AR
National University of Singapore. Department of Mathematics. Annual Report.	2000/2001- 2003/2004	-
National University of Singapore. Faculty of Science. Annual Report.	1999-2013/2014	LG399 NUSFS.AR
Raffles College. Annual Report.	1938/1939- 1947/1948	LG399 RC.AR
Straits Settlements. Medical Department. The Straits Settlements Medical Report for the Year.	1904-1905	RA316.5 MMA
University of Malaya. Annual Report.	1949/1950- 1962/1963	LG396 MUAR
University of Singapore. Annual Report.	1961/1962- 1979/1980	LG399 SU.R

Calendars

Title	Year	Call No.
King Edward VII College of Medicine, Singapore. Calendar.	1914/1915- 1934/1935	LG399 KE.C
Nanyang University. General Information.	1977/1978	LG399 NU.GI

National University of Singapore. Courses and Curricula.	1980/1981- 2004/2005	LG399 NUS.C
National University of Singapore. General Information.	1989/1990	LG399 NUS.GI
Raffles College. Calendar.	1928/1929- 1938/1939	LG399 RCC
University of Malaya. Calendar.	1949/1950- 1961/1962	LG396 MUC
University of Singapore. General Information.	1970/1971- 1979/1980	LG399 SU.GI

Faculty Publications

Title	Year	Call No.
National University of Singapore. 60 Years of the Faculty of Science, National University of Singapore (1929-1989).	1990	LG399 NUSFS.S
National University of Singapore. Faculty of Science. Faculty of Science.	1992 1999	LG399 NUSFS.F
National University of Singapore. Faculty of Science. Faculty of Science Research Report.	1998	LG399 NUSFS.RP
National University of Singapore. Faculty of Science. Old Memories - New Challenges: A Celebration of 70 Years of Commitment to Science.	2000	LG399 Nusfs.OI 2000
National University of Singapore. Faculty of Science. Science Celebrates! 75th Anniversary: Faculty of Science, National University of Singapore.	2004	LG399 Nusfs.Sc 2004
National University of Singapore. Research Trends: A Publication of the Centre for Industrial Collaboration, Faculty of Science, NUS.	Vol. 2, No.1, 1990 Vol. 3, No.1, 1991 Vol. 5, No.1, 1993	LG399 NUSSCIC.RT
National University of Singapore. Write-ups on the Faculty of Science.	1998	-

Department Publications

Title	Year	Call No.
Kiang, Ai Kim. An Historical Review of the Chemistry Department, University of Singapore, (1928-1966), University of Singapore: Singapore.	1966	LG399 SUC*Ki
National University of Singapore. Department of Biological Sciences. Structural Biology and Proteomics Cellular and Molecular Biology, Biotechnology,	2001	LG399 NusdbS.S 2001

Biodiversity and Ecology: Life Sciences.

National University of Singapore. Department of Chemistry. Chemistry.	1986	LG399 NUSDC.C
National University of Singapore. Department of Physics. Physics at the National University of Singapore.	1994	LG399 NUSDP.N
National University of Singapore. Department of Zoology. Department of Zoology: National University of Singapore: Republic of Singapore.	1998	LG399 NUS.DZ

Newsletters & Magazines

Title	Year	Call No.
Bulletin of the Singapore National Institute of Chemistry.	Vol. 6, 1978	QD1 SNC
Nanyang University. Chronicle.	Jul/Aug 1978 Mar/Apr 1979	LG399 NU.CH
National University of Singapore. Campus News.	No. 1, 1980-No. 146, 2001	LG399 NUS.CN
National University of Singapore. Centre for Development of Teaching and Learning. CDTLink.	Vol. 2, No.2, 1998 Vol. 3, No.2, 1999 Vol. 5, No.3, 2001 Vol. 6, No.1, 2002 Vol. 6, No.2, 2002 Vol. 8, No.3, 2004	LG399 CDTL
National University of Singapore. Department of Chemistry. NUS ChemConnections.	Issue 1/2000 Issue 2/2000 Issue 3/2000 Issue 6/2002 Issue 14/2007	LG399 NUSDC.NC
National University of Singapore. Department of Information Systems and Computer Science. ISCS News.	1998	LG399 NUSIC.IS
National University of Singapore. Department of Physics. Newsletter.	No. 1, Feb/March 1996	-
National University of Singapore. Department of Statistics and Applied Probability. Newsletter.	Vol. 1, No. 1, 2004 Vol. 2, No. 2-2, 2005 Vol. 4, No. 2, 2006 Vol. 5, No. 1-2, 2006 Vol. 8, No. 2-2, 2008	-
National University of Singapore. Faculty of Science. OmniScience.	Issue 1, 2005 Issue 4, 2007 Issue 5, 2007/2008	LG399 NUSFS.OS

	Issue 6, 2008	
National University of Singapore. Faculty of Science. Research Newsletter.	Vol. 8, No.1, 2004	LG399 NUSFS.R
National University of Singapore. Faculty of Science. Science NUS: Internal Bi-Monthly Newsletter, Faculty of Science.	May/Jun 2001 Jul/Aug 2001	LG399 NUSFS.SN
National University of Singapore. Knowledge Enterprise.	Jul 2001 – Dec 2009	LG399 NUS.KE
National University of Singapore. NUS Bulletin.	2005/2006- 2008/2009	LG399 NUS.NB
National University of Singapore. Pharmaceutical Society. Pharmaceutica	1966 1975/1976 1990/1991 1996/1997 1998/1999 2000	LH7 PHA
National University of Singapore. Prospectus.	1995/1996 1996/1997 1997/1998	LG399 NUS.PR
University of Singapore. Campus News.	No. 4, 1978 No. 14, 1978	LG399 SU.CN
University of Singapore. Gazette.	Vol. 2, No. 10, 1971	LG399 Su.G
National University of Singapore. Faculty of Science. e-OmniScience.	Issue 9, Oct 2013 Issue 12, Apr 2015	-
National University of Singapore. Department of Mathematics. Newsletter.	Issue 4, Jan-July 2013. Issue 7. Jan-June 2015.	-

Circulars/Letters issued by Office of President /Provost's Office/Personnel Department

Title	Year	Call/Circular/Letter No.
National University of Singapore. Office of the President. President's Circular.	2003 2007	2003-08 2007-01
National University of Singapore. Office of the President. President's Letter.	2009 2013 2014	2009-01 2013-05 2014-01
National University of Singapore. Personnel Department, Administrative and Professional Staff Handbook.	1998	LG399 NUS. Aps
National University of Singapore. Provost's Office. President's Quarterly Report.	Jul/Sep, 2005 Oct/Dec, 2005 Oct/Dec, 2006	-

National University of Singapore. Office of the Provost. Provost's Circular No. 7 of AY2013/14.	2014	7
Dean's Message 3/14: Appointments in Department of Mathematics, 20 January 2014	2014	3 / 14
Dean's Message 10/14: FoS Appointment of HoD and Deputy/Assistant HoDs, 10 April 2014	2014	10/14
Dean's Message 13/14: FoS New Academic Unit and Appointment of its Head and Deputy Head, 15 April 2014.	2014	13/14
Dean's Message 8/15: Head of Statistics & Applied Probability, 6 May 2015	2015	8/15
Dean's Message 26/15: Appointment of Head of Department of Pharmacy, 17 December 2015.	2015	26/15
Dean's Message 16/17: New Appointments to the Deanery, 6 June 2017.	2017	16/17
National University of Singapore. PVO Half Yearly Report.	Jul-Dec, 2017	-
National University of Singapore. PVO Half Yearly Report.	Jul-Dec, 2018	-

Seminars/Conferences/Proceedings

Title	Year	Call No.
Proceedings of the Seminar on Science Education in Singapore: 15 th May 1981.	1981	Q183.412 Sem
Research Programs in Singapore: Proceedings and Papers of a Seminar held under the Auspices of Nanyang University from 6 to 7 August 1969.	1970	Q180.12 Sem

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http://www.science.nus.edu.sg/aboutfos/giving/SSOEF%20report%202008%20Final.pdf	National University of Science. Faculty of Science Home Page.
http://newshub.nus.edu.sg/headlines/0309/bash_02Ma	National University of Singapore Home

r09.php	Page. Newshub-NUS' News Portal Home Page.
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http://rmbr.nus.edu.sg/exxonmobil/20081124_book_launch.php	National University of Singapore. Department of Biological Sciences. Raffles Museum of Biodiversity Research Home Page.
http://rmbr.nus.edu.sg/nis/bulletin2008.php	National University of Singapore. Department of Biological Sciences. Raffles Museum of Biodiversity Research Home Page.
http://www.chemistry.nus.edu.sg/alumni/history.htm	National University of Singapore. Department of Chemistry Home Page.
http://www.chemistry.nus.edu.sg/graduates/AKP/memo.htm	National University of Singapore. Department of Chemistry Home Page.
http://www.chemicalscience.nus.edu.sg/	National University of Singapore. Department of Chemistry. Chemical Sciences Program Home Page.
http://www.chemistry.nus.edu.sg/undergraduates/CSS/About%20us.htm	National University of Singapore. Department of Chemistry. Chemical Sciences Society Home Page.
http://ww1.math.nus.edu.sg/	National University of Singapore. Department of Mathematics Home Page.
http://ww1.math.nus.edu.sg/GPMQF.aspx	National University of Singapore. Department of Mathematics Home Page.

http://ww1.math.nus.edu.sg/misc/History%20of%20Department.pdf	National University of Singapore. Department of Mathematics Home Page.
http://ww1.math.nus.edu.sg/undergrad.aspx?file=stu-SPM	National University of Singapore. Department of Mathematics Home Page.
http://scicblc.nus.edu.sg/~mathsoc/home.htm	National University of Singapore. Department of Mathematics. Mathematics Society Home Page.
http://www.pharmacy.nus.edu.sg/alumni/lucyalfredfund_origin.htm	National University of Singapore. Department of Pharmacy Home Page.
http://www.pharmacy.nus.edu.sg/prospective/PharmD/inauguralclass.html	National University of Singapore. Department of Pharmacy Home Page.
http://www.physics.nus.edu.sg/alumni/alumni_inaugural_dinner.html	National University of Singapore. Department of Physics Home Page.
http://www.physics.nus.edu.sg/corporate/student/minor_biophysics.html	National University of Singapore. Department of Physics Home Page.
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