Faculty of Science

Dean's Office

NUS
National University
of Singapore

16 December 2019

To: All Returning Students of the Faculty of Science

Welcome back to the Faculty of Science. We hope you had an enjoyable vacation and are fully re-charged to begin your new semester of study.

This letter contains important information on the Online Module Registration through Module Registration at Education Records System (ModReg@EduRec) and filing procedures for Graduation and Honours Project for AY2019/20 Semester 2. Do read this letter carefully.

Contents

ACADEMIC PLAN DECLARATION

Academic Plan Declaration allows you to declare your major, honours, specialisations, minors, and second majors during the regular semesters. Please note that you will not be allowed to register for modules unless the Academic Plan has been declared. You are also only allowed to make one declaration per semester. The minimum requirement of your candidature is to read 1 Major Programme and the maximum allowance is 2 Major Programmes with 2 Minor Programmes (Pharmacy students are allowed to read a maximum of 1 Major Programme only). Do select the Programmes according to your ability. You will not be allowed to add in a new second major/ minor beyond the fifth semester of study. Please refer to the online user guide on how to proceed with the Academic Plan Declaration; http://www.nus.edu.sg/registrar/info/modreg/AcadPlan_userguide.pdf

MODULE REGISTRATION AT EDUCATION RECORDS SYSTEM (ModReg@EduRec)

Module Registration at Education Records System (ModReg@EduRec) is the University's new consolidated module registration platform. The schedule for ModReg@EduRec for AY19/20 Semester 2 is as follows:

Module Registration period	2 Jan – 10 Jan 2020
Tutorial Registration period	14 Jan – 16 Jan 2020
Lectures begin	13 Jan 2020
Tutorials begin	27 Jan 2020
Drop with 'W' grade	27 Jan 0000hrs to 1 Mar 2359hrs
Drop with 'F' grade	2 Mar 0000hrs onwards

Please refer to the ModReg@EduRec website http://www.nus.edu.sg/ModReg at for more information on the schedule as well as step-by-step video and user guides to aid you in this module registration process.

Select Modules Rounds

Do note that Round 1 is the protected round, where students will be able to select modules that can be used towards:
- Programme (Faculty, Major, Specialisation) requirements
- Second Major requirements
- Direct admission/ Restricted Minor requirements
- Prescribed English requirements (i.e. modules offered by CELC)

Round 2 and Round 3 are open rounds where students are able to select all modules (including General Education modules) they wish to read for the semester.

Assistance

You may register for modules online via any computer with internet access. Students who prefer to do the online registration in the Faculty may proceed to S16 Level 5 Computer Lab.

Should you require any assistance, please approach the Science ModReg Helpdesk during the module registration period at S16 Level 2. The helpdesk will only be operational during the Select Module Rounds. The contact information and operating hours of Science ModReg Helpdesk for AY2019/20 Semester 2 are as follows:

Hotline: 6516 8701

2nd Jan, 6th Jan, 9th Jan	0900 – 1800 hrs
3rd Jan, 7th Jan, 10th Jan	0900 – 1200 hrs

 *closed on the days when the rounds are not open

Please bring along your NUSNET ID and NUSNET Password during the module registration period. Students should not reveal their login/email passwords to anyone. Disciplinary action will be taken against those who do so.

Department of Biological Sciences has decommissioned the Life Sciences Operating Centre (LSOC) helpdesk. Students may write in to dbsbox2@nus.edu.sg or walk-in to their administration office at Block S3 Level 5 should you have any query. Information on Life Sciences Undergraduate Programme and modules are also available on http://www.lifesciences.nus.edu.sg

Workload

All Single Degree students can select up to a maximum of 23 MCs from Select Modules Round 1 to Round 2. From Round 3 onwards, the workload allowance shall be in accordance to the student's CAP for students from Cohorts 2012/13 and beyond.

CAP	Round	Max Workload	Remark
0.00 – 5.00	1 – 2	23	
0.00	3	26	Freshman (if all subjects are S/U-ed)
0.00 – 1.99	3	23	Probation
2.00 – 3.19	3	26	
3.20 – 5.00	3	32	

Do note that the stipulated minimum workload that each student should have from AY2015/16 Semester 1 onwards is **18 MCs per semester**. Please refer to the following link for more information: ***http://www.nus.edu.sg/registrar/edu/UG/graduation.html***

MODULE AND EXAMINATION TIMETABLE

The class and examination timetables for AY2019/20 Semester 2 can be found at the following URL: https://nusmods.com/modules

The onus is on the student to map out the study plan and avoid registering for modules with clashes or in class or examination timetable. **Faculty of Science is not supportive of timetable clash waivers.** Appeals are only considered if students require the module to fulfil their graduation requirement in their graduating semester, without which might lead to a delay in graduation. Students may use the NUSMODS timetable builder to generate a personalized timetable: https://nusmods.com/timetable

Please note that the timetable is subject to changes, depending on the demand for the module. There are occasions where certain tutorial groups may be closed due to low enrollment. Please ensure that you have backup tutorial slots that do not clash with other modules while planning your timetable.

NUS DATA PROTECTION POLICY AND PERSONAL DATA PROTECTION ACT (PDPA) GUIDELINES

Recently, Singapore has seen multiple cases of data breaches and attacks on our IT infrastructure. Understanding that the University is not immune to these incidents and threats, we have taken direction from the Singapore Personal Data Protection Commission (PDPC) to roll out an e-training module DP1001 NUS Data Protection Policy and Personal Data Protection Act (PDPA) Guidelines to all undergraduates.

All students are required to complete the e-training module, "E-Training Package on Student Essentials" via LumiNUS.

If you have questions related to NUS' collection, use and disclosure of your personal data, you may contact NUS Data Protection Office at +65 6776 2835 or dpo@nus.edu.sg.

A CULTURE OF RESPECT AND CONSENT

A compulsory course on "A Culture of Respect and Consent" was launched this Academic Year 2019/20 for all students and staff. The course is intended to raise awareness on sexual misconduct and to build a safer campus based on a culture of respect and consent.

All students must complete this course via e-module **or** face-to-face workshops within this Academic Year (August 2019 to July 2020).

QUALIFYING ENGLISH TEST (QET)

Students will be notified by the Centre for English Language Communications (CELC) of your QET results.

- Students who obtain Band 1 will have to take ES1000 followed by ES1103.
- Students who obtain Band 2 will have to take ES1103.
- Students who obtain Band 3 are exempted from these English modules.

Students are strongly advised to complete the required module(s) within the first year of study. Students who are required to read both ES1000 and ES1103 may read ES1000 in the first semester of study and ES1103 in the second semester of study. Please refer to the CELC website for more information: http://www.nus.edu.sg/celc/programmes/get.html

COMPULSORY COMMUNICATION MODULE

The Centre for English Learning and Communication (CELC) and Faculty of Science co-developed SP1541 Exploring Science Communication through Popular Science, a compulsory module for all Science students (except Pharmacy and Environmental Studies students, USP and SPS students and students from any Residential Colleges) matriculated in AY2015/16 and beyond. Students are strongly advised to complete the module within the first year of study. Students who are required to read ES1000 and/or ES1103 should complete the module within the first two years of study.

Please refer to the following website for more information: http://www.science.nus.edu.sg/images/LandingPage/Education/UG/Curriculum/ES1541SP1541.pdf

GENERAL EDUCATION (GE) CURRICULUM

As part of Graduation Requirements, all students admitted from AY2015/16 (except students from Law, Medicine, Dentistry and Nursing) are required to read one General Education Module from each of the five pillars to satisfy the University Level Requirements (ULR). The five pillars are:

    i.   Human Cultures
    ii.   Asking Questions[1]
    iii.   Quantitative Reasoning[2]
    iv.   Singapore Studies
    v.   Thinking and Expression

[1] GEQ1000 Asking Questions is the only module offered under the pillar. Ridge View Residential College (RVRC) students may read GEQ1917 Understanding and Critiquing Sustainability to fulfil the Asking Questions pillar.

[2] GER1000 Quantitative Reasoning is the only module offered under the pillar. University Scholars Programme (USP) and University Town College Programme (UTCP) students admitted from AY2016/17 are required to read GER1000. The rest of the GE requirements are fulfilled by USP/UTCP modules.

Students are strongly encouraged to complete the GE modules within the **first 2 years** of your candidature.

GER1000 & GEQ1000 module pre-allocation

GER1000 and GEQ1000 will be pre-allocated based on the student's major, except USP students who will be pre-allocated GER1000 in Year 1 Semester 1 regardless of their Major.

Major		GER1000	GEQ1000
Bachelor of Environmental Sciences Data Science & Analytics Pharmacy		Year 1 Sem 1	Year 1 Sem 2
Computational Biology		Year 1 Sem 1	Year 2 Sem 1
Food Science & Technology		Year 1 Sem 2	
All Other Majors	Non-Hall Students	Year 1 Sem 1 or 2	Year 1 Sem 2 or Year 2 Sem 1 or 2
	Hall Students*	Year 1 Sem 1	Year 1 Sem 2

* Hall residents will attend tutorials at their Halls, if they are reading GER1000 in Year 1 Semester 1 and GEQ1000 in Semester 2. Halls include Kent Ridge, Sheares, Eusoff, Raffles, King Edward VII, Temasek and Prince George's Park House.

GER1000 and GEQ1000 tutorial balloting

Even though GER1000 and GEQ1000 modules are pre-allocated, you would have to ballot for tutorial classes during "Select Tutorials" Rounds 1 & 2 (refer to ModReg@EduRec schedule). The variety of timeslots available can be found in NUSMODS.

During Add/Swap round, the quota for the classes will be merged. Add/Swap is on a first-come-first-served basis. If ModReg@EduRec does not swap your tutorial by the end of the Add/Swap round, it means the request was unsuccessful.

Appeals/Inquiries

By the end of the Add/Swap round, you should have secured a tutorial slot. If for any reason you have not, you may submit an appeal via Appeals/Inquiries in ModReg. This MUST be done one day after the Add/Swap round. This is to ensure you secure a tutorial slot by the end of Week 1. Students who do not have a tutorial slot by the end of Week 1, will be pre-allocated a slot from what is available and on a random basis. You may refer to the following links and contact details should you have any queries.

	GER1000	GEQ1000
Enquiries	QRadmin@nus.edu.sg	AskQ@nus.edu.sg
Website	https://wiki.nus.edu.sg/pages/viewpage.action?pageId=194740263	

COMPUTATIONAL THINKING (CT)

To remain relevant in the workplace of tomorrow, undergraduates should acquire basic computational skills, i.e. computational thinking (CT).

For FoS Students admitted in AY2017/18 onwards, the options to fulfil the CT requirement, by the respective Major Programmes are described below:

Majors	Options to fulfil Computational Thinking requirement
Computational Biology, Data Science & Analytics, Mathematics & Applied Maths, Quantitative Finance, Statistics	These Majors will continue to acquire higher-order computational and programming skills in the form of CS1010S Programming Methodology (or its variants) (within the Major's core requirement) Where the major allows CS1101S Programming Methodology to be read in place of CS1010S (or its variants), CS1101S will also fulfil the higher-order computational and programming skills requirement for the student from that major.
Life Sciences, Pharmaceutical Science, Physics	Option 1: COS2000 – Computational Thinking for Scientists or Option 2: CS1010S (or its variants) – Programming Methodology or CS1101S Programming Methodology
Chemistry, Food Science & Technology	Option 1: COS2000 – Computational Thinking for Scientists or Option 2: CM3267 – Computational Thinking and Programming in Chemistry or Option 3: CS1010S (or its variants) – Programming Methodology or CS1101S Programming Methodology
Pharmacy	It has been decided that the undergraduates for Cohort 2017/18 would be exempted from taking separate CT modules. For Cohort AY2018/19 and after, to read one of the following as an Unrestricted Elective module: Option 1: COS2000 – Computational Thinking for Scientists or Option 2: CS1010S (or its variants) – Programming Methodology or CS1101S Programming Methodology
Bachelor of Environmental Studies (BES)	All undergraduates (from FASS and FoS, in BES, inclusive of BES students in the UTCP or USP programme), will be required to do GET1050 Computational Reasoning. Students may also choose to take the modules below as an alternative to fulfil the CT requirement: NM2207 Computational Media Literacy PH2213 Computation and Philosophy EC3305 Programming Tools for Economists BES students doing the UTCP at Residential College 4 (RC4) and have read a Junior Seminar module (i.e., UTC1702%) are exempted from GET1050 as the RC4 programme encourages explicit use of representing thinking, using computer models.

More information on CT requirements is available on
http://www.science.nus.edu.sg/images/LandingPage/Education/UG/Curriculum/ComputationalThinkingRequirement.pdf

FRESHMEN SEMINARS

Freshman Seminars provide an unparalleled opportunity for freshmen to explore a scholarly topic of interest in a small group setting of 15 students. The module earns 4 MCs and may be used to satisfy faculty requirements under the subject group, Multidisciplinary & Interdisciplinary Sciences.

The modules are open to freshmen of the Faculty of Science in their first two semesters at NUS from Select Modules Round 1. The modules are available for selection for Year 2 and 3 Science students from availability from Select Modules Round 2 onwards.

Please refer to the student portal for information on module descriptions and seminar topics.

OVERLAPPING AND PRECLUDED MODULES

Some modules offered may overlap substantially in content with each other. Students are discouraged from reading overlapping modules unless both are required for attaining a double major, for example. In such situation, students may be allowed to read the overlapping module, but only the modular credits and grade of one module will be counted towards the graduation requirements.

Similarly, if you have obtained approval to read a precluded module, only the modular credits and grade of one module will be counted towards your graduation requirements.

Students are expected to exercise personal responsibility to check if they are reading overlapping and/or precluded modules. When in doubt, students should consult the module coordinator or academic advisor. Please refer to the following links for the list of precluded and overlapping modules.
http://www.science.nus.edu.sg/images/undergraduate/acadprog/Overlap-S2-AY201718.pdf
http://www.nus.edu.sg/nusbulletin/

S/U OPTION ENTITLEMENT

1. FOR COHORTS MATRICULATED BEFORE AY2014/15

    The entitlement of S/U Option is at 12MCs. Students are not allowed to declare S/U option on ALL modules within the First and Second Major Requirements, including modules hosted by other faculties, regardless of whether these modules are read in excess. S/U option is also not applicable towards all regular Science modules even though they may be read as Unrestricted Electives.

    The 'S' or 'U' grade obtained for modules that fall within the Major Requirements of a newly declared First or Second Major from AY2013/14 Semester 2 onwards will be reverted to original grade upon the declaration of the new Major, regardless of when the modules were completed.

2. <u>FOR COHORTS MATRICULATED IN AY2014/15 AND AY2015/16</u>

The Grade Free Semester 1, launched in AY2014/15 Semester 1, serves to facilitate a transformation in students' mind set towards grades and learning in the university setting.

Under the new S/U Policy, students receiving letter grades for the modules mentioned in Point B below can opt to keep their grades or convert them to Satisfactory 'S' or Unsatisfactory 'U' grade.

A. Grade Free Semester 1 is applicable to the following groups of students:

- Students matriculated in AY2014/15 and AY2015/16
- Students who accessed NUS modules prior to their first regular semester as undergraduate student in AY2014/15 Semester 1 – Polytechnic exemptions, advance placement tests for NUS modules, former H3, NUSHS, RNS men (iBLOC and Special Term)
- Clean slate transfer/ readmitted students (with no grade/credit transfer of any NUS module) in AY2014/15 and AY2015/16
- Partner University (JDP, CDP, DDP) students whose first semester of study is at NUS

B. The abovementioned entitlement may be applied on the following modules:

- Level 1000 modules (excluding non-credit-bearing English language proficiency modules)
- Level 2000 modules without NUS modules as pre-requisites
- Centre for Language Studies (CLS)' language modules at all levels
- Centre for English Language Communication's (CELC) Level 2000 Communication and Ideas & Exposition modules
- GEK2508, GEM2509
- Yale-NUS language modules at all levels
- For accelerating students*: Level 2000 modules with NUS modules as pre-requisites (only if they are read in the first semester)
- *Accelerating Students are defined as those who have already met the pre-requisite to enrol in these Level 2000 modules in the first semester.

C. S/U Option is not applicable for the following situations/modules:

- Modules dropped with 'W' or 'F' grade (during the module dropping period)
- Modules assigned 'IC' grade
- Modules in which student had committed plagiarism
- Modules in which the Board of Discipline had prescribed a revised grade
- University Scholars Programme's (USP) Writing and Critical Thinking modules (UWC2101%) and Quantitative Reasoning modules (UQF2101%)
- Yong Siew Toh Conservatory of Music (YSTCM) Major Study Module

D. Key Points to Note:

1. Classification of the S/U Option:

Students may exercise the S/U Option for up to 32 MCs of which:

(i) 20 MCs can be exercised during the first semester;
(ii) 12 MCs at any time during the candidature.

Both the 'S' and 'U' grade count towards the 32 MCs worth of S/U Option entitlement.

2. Exceptions to S/U Option Entitlement:

Freshman Seminar (4 MCs) and Applied Science students' Professional Placement

Programme module (8 MCs) which are read on an Completed Satisfactory/Completed Unsatisfactory (CS/CU) basis, and all modules read on exchange programmes on an Overseas Satisfactory/Overseas Unsatisfactory (OVS/OVU) basis will not impinge on the 32 MCs worth of S/U Option.

3. About S/U Grading

   (i)   For modules read on an S/U basis, the modular credit is obtained only if a student attains a Satisfactory 'S' grade on the module.
   (ii)   A Satisfactory 'S' grade is an equivalent of a 'C' grade [or grade point of 2.0] and above.
   (iii)   All modules read on S/U basis are excluded from the computation of the CAP.
   (iv)   S/U Option, once exercised, is irrevocable. Students may not later request for a conversion to a letter grade after they have declared.

E. Carry Forward Policy

The following group of students are able to carry over unused S/U Option entitlement to the second semester for specific modules.

• First Major as Life Sciences
• First Major as Chemistry
• Students from Environmental Studies
• Students from Special Programme in Science (SPS)
• Students from Residential Colleges (RVRC, UTCP)
• Students from University Scholar Programme (USP)

Please refer to the Carry Forward Policy, which details the exact module/s applicable, for each group of students:
http://www.science.nus.edu.sg/images/LandingPage/Education/UG/Curriculum/SU.pdf
For students matriculated in AY2015/16, Semester 1, please refer to the following link for carry forward policy specific to the module GER1000:
https://wiki.nus.edu.sg/display/GEQGER/Modes+of+Teaching+and+Grading+Basis

Students are allowed to carry over a maximum of 8MCs from the Semester 1 20MCs S/U Option entitlement to Semester 2.

3. <u>FOR COHORTS MATRICULATED IN AY2016/17 AND AFTER</u>

With the launch of Enhanced Grade-free Scheme with effect from AY2016/17 Semester 1, students may exercise the S/U option for up to 32 MCs in the first two regular semesters. If this is not fully utilized, the S/U option may be exercised in subsequent semesters, for up to 12 MCs.

Variations on the limit of S/U options that can be exercised apply for specific groups of students:

   i.   Students without prior university experience but are granted 20 or more Advanced Placement Credits (APCs) at the point of admission to NUS may exercise the S/U option for up to 20 MCs in the first two regular semesters; if this is not fully utilized, the S/U option may still be exercised in subsequent semesters, for up to 12 MCs.
   ii.   Students with some prior university experience (which are being recognized towards the NUS degree) may exercise the S/U option for up to 12 MCs anytime during their candidature, including the first two regular semesters.
   iii. Students with a prior university degree are not eligible for the grade-free scheme.

Student Type		S/U Options Available	
		1st two regular semesters	Beyond 1st two semesters (if unutilized)
Newly admitted students without prior university experience. This includes students with: Clean slate transfer from another University or Faculty Re-admitted into NUS on a clean slate	< 20 APCs	32 MCs	12 MCs
	≥ 20 APCs	20 MCs	12 MCs
Students with some prior University experience. This includes: Transfer from another University with credits From partner Universities whose first year of study is not at NUS Enrolled in DDP where Law is one of the partner faculties and hence spent their first year in Law		12 MCs	12 MCs
Students with a prior University degree		0 MCs	0 MCs

The abovementioned entitlement is applicable for the following modules:

- All Level 1000 modules.
- Level 2000 modules without NUS modules as pre-requisites.
- Centre for Language Studies' (CLS) language modules at all levels.
- Yale-NUS College's (YNC) language modules at all levels.
- Centre for English Language Communication's (CELC) Level 2000 Communication and Ideals & Exposition modules. (ES2002, IS2101, CS2101, ES2660, ES2007D, ES2331, UTW2001%)

The abovementioned entitlement is not applicable for the following modules:

- Level 2000 modules with NUS modules as pre-requisites.
- Modules of Level 3000 and above.
- Modules dropped with W or F-grade (during the module dropping period).
- Modules assigned IC grade.
- Modules in which student had committed academic offense.
- Modules in which the Board of Discipline had prescribed a revised grade.
- University Scholars Program's (USP) Writing and Critical Thinking modules (UWC2101%) and Quantitative Reasoning modules (UQF2101%).
- Yong Siew Toh Conservatory of Music (YSTCM) Major Study modules.
- Zero-MC modules.

Key Points to Note

- Both the 'S' and 'U' grade count towards the total S/U Option entitlement.
- For modules read on an S/U basis, the modular credit is obtained only if a student attains a Satisfactory 'S' grade for the module.
- A Satisfactory 'S' grade is an equivalent of a 'C' grade and above.
- All modules read on S/U basis are excluded from the computation of the CAP.
- S/U option, once exercised, is irrevocable. Students may not later request for a conversion to a letter grade.

FILE FOR HONOURS PROJECT

Students matriculated in AY2016/17 and beyond who intend to start Honours in their chosen major in Semester 1, AY2020/21, must file for Honours online within 3 days upon the day of release of exam results of the semester before (Semester 2, AY2019/20).

To qualify for commencing Honours in Semester 1, AY2020/21, you must have an overall CAP of at least 3.20, fulfilled 100 MCs or more, and have completed the major requirements under the B.Sc. degree by the end of Semester 2, AY2019/20.

Students who filed for Honours will be promoted to SCI4 (Honours Year) if they meet the above requirements.

For Pharmacy, Computational Biology and Environmental Studies Students:

Please note that Pharmacy, Computational Biology and Environmental Studies students are not required to file for Honours project. Separate instructions/information on Honours project registration for these two programmes will be given to you by your respective department/programme coordinator.

For students on SEP/ NOC in Semester 2, AY19/20:

Students who are on SEP/NOC in Semester 2, AY19/20 and **do not require** their overseas credits to start Honours project in Semester 1, AY2020/21 can file for Honours project online within 3 days upon the day of release of exam results of the semester before (Semester 2, AY2019/20).

On the other hand, students who are on SEP/NOC in Semester 2, AY19/20 and require their overseas credits to start Honours in Semester 1, AY2020/21 will need to file to start Honours unofficially online within 3 days upon the day of release of exam results of the semester before (Semester 2, AY2019/20).

More details will be given on the day of release of exam results.

APPLY FOR GRADUATION (AFG)

Please read the following information carefully.

1. Students on Single Degree Programme

Students who intend to graduate by the end of Semester 2, AY19/20 <u>must</u> apply for graduation online. "Apply for Graduation" via myEduRec from **6 to 10 January 2020**.

Please refer to https://myportal.nus.edu.sg/studentportal/academics/ug/aa-afg.html for more information on AFG and My Graduation Audit Report & My What-If Report.

Please also note that My Graduation Audit Report & My What-If Report do not take into account the modules you have not complete and passed. These two reports act as guides to assist you with graduation checks.

The onus in on the student to check their fulfillment of Graduation Requirements based on these two reports. You are strongly advised to refer to the graduation requirements available on the Faculty of Science website and the Bulletin based on your cohort.

Before applying for graduation, you must ensure that you have:
  i.   At least 120 MCs total for non-Honours students and 160 MCs total for Honours students
  ii. At most 60 MCs of Level-1000 modules; any excess does not count toward the total MCs graduation requirements. The following modules do not count toward the 60 MCs limit:

      a. CFG1010
      b. CFG1002 (AY16/17 enrolment onward)
      c. ES1103
      d. Polytechnic UEM APCs

  iii. Fulfilled all graduation requirements (such as English Skills modules, ULR, Science Faculty requirement etc.), **<u>and</u>**
  iv. Declared your major(s), specialization and/or minor(s), if any, correctly.
  v.   Ensure that you do not violate double counting policy:
      a. For major-major, major-minor and minor-minor.
      b. GEMs cannot be used to fulfil both minor and ULR requirements.
      c. Double counted modules can be used to fulfil faculty requirements if they are within the primary major.
      d. No triple counting is allowed.
      e. Even with double counting, MCs will only be counted once toward the minimum MC graduation requirements.

You are reminded to update your declaration of major(s), specialization and/or minor(s), and remove those that you no longer want. Otherwise, the FFG check will indicate that you do not satisfy the requirements of the major(s), specialization and/or minor(s) declared, and you may not be allowed to graduate at the end of Semester 2, AY2019/20.

It is important that students apply for graduation via myEduRec. Students who do not apply for graduation online by 10 January 2020 may have to delay their graduation till Semester 1, AY2020/21

Students are strongly advised to refer to the graduation requirements available on Faculty of Science Website and the Bulletin. Their URLs are below for your quick reference.

- *Faculty of Science Website:*
  http://www.science.nus.edu.sg/
- *Bulletin:*
  http://www.nus.edu.sg/registrar/nusbulletin/
- *NUS Student Portal:*
  https://myportal.nus.edu.sg/studentportal/academics/ug/
- *Science Faculty requirements:*
  http://www.science.nus.edu.sg/images/LandingPage/Education/UG/Curriculum/FacultyRequirements.pdf

Should you have enquiries on the requirements of majors and minors, please contact the departments offering the majors and minors directly.

2. Students on Double Degree Programme (DDP)

Students who intend to graduate by the end of Semester 2, AY19/20 **must** apply for graduation online. "Apply for Graduation" via EduRec from 6 to 10 January 2020.

Please note that the 60MC limit on Level 1000 modules is applicable to all modules counted towards DDP. You must also ensure that you have fulfilled all graduation requirements and have declared your major(s), specialization(s) and minor(s), if any, correctly.

Please email Science Dean's Office at sciffg@nus.edu.sg if you need further clarifications on FFG matters.

ACADEMIC WARNING, PROBATION & DISMISSAL

1) For cohort matriculated in AY2015/16 and before

For any semester in which the student's CAP falls below 2.00 (but ≥ 1.50), that student will be issued an academic warning. If, in the following semester, the student's CAP again falls below 2.00, he/she will be placed on probation. If the student's CAP remains below 2.00 for the third consecutive semester, the student will be issued a letter of dismissal by the Registrar and denied re-admission.

For students whose CAP falls below 1.50 for two consecutive semesters, they will be placed on probation for the first semester, followed by dismissal in the second semester.

The Table below summarizes the abovementioned rules on Academic Warning, Probation and Dismissal.

Academic Status	CAP
Academic Warning	1.50 ≤ CAP < 2.00 for the first time
Probation	CAP < 1.50 for the first time OR CAP < 2.00 in subsequent semester for students with 1.50 ≤ CAP < 2.00 in the previous semester OR 1.50 ≤ CAP < 2.00 in subsequent semester for students with CAP < 1.50 in the previous semester
Dismissal	CAP < 1.50 for 2 consecutive semesters CAP < 2.00 for 3 consecutive semesters

2) For cohort matriculated in AY2016/17 and after

To remain in good academic standing, and to continue in an undergraduate programme of study, a student may not have CAP below 2.00 for two consecutive semesters. For any semester in which the student's CAP falls below 2.00, s/he will be placed on probation. If the student's CAP remains below 2.00 for the second consecutive semester, the student will be issued a letter of dismissal by the Registrar's Office and denied re-admission.

With the launch of Enhanced Grade-free Scheme:
- For students eligible to exercise ≥ 20 MCs of S/U options, the above continuation rules are applied from the third semester onwards.
- For students eligible to exercise ≤ 12 MCs of S/U options, the above continuation rules are applied from the first semester onwards.

The student may appeal against the dismissal if there are extenuating circumstances. However, each student is only allowed to appeal **once** during his/her candidature.

Students who face difficulties in coping with their studies are encouraged to approach their academic mentors for guidance and support. The respective mentors will be able to guide and advise students of the various avenues where help is available. More information on the Science Academic Mentorship scheme is provided at http://www.science.nus.edu.sg/studentlife/ams

FEE POLICIES

FEE REBATE POLICY

For cohorts admitted from **AY2014/15 to AY2018/19**, a rebate in tuition fees paid in excess of the total fees for the stipulated candidature period may be granted to eligible students who graduate on time within the stipulated candidature period.

A student is eligible for tuition fee rebate if s/he meets all of the following conditions:

    i.   Admitted into an undergraduate degree under the modular system in NUS from AY2014/2015 to AY2018/19;

    ii.   Completed NUS modules during the following period(s):

    -    prior to the undergraduate candidature (e.g. NUS iBLOC, NUS H3 subjects, NUS modules taken as NUS High School students, and NUS modules taken under the Polytechnic Advanced Placement Programmes); and/or

    -    during Special Terms within the undergraduate candidature;

    iii.   Paid tuition fees in excess of the fees for completing the undergraduate degree programme on time in the candidature period applicable for fee rebate (as defined in the table below).

Degree Type	Candidature Period for Fee Rebate[#]
Single Degree/ Joint Degree Programme (120 MCs)	6 consecutive semesters
Single Degree/ Joint Degree Programme (160 MCs)	8 consecutive semesters
Double Degree Programme	9 consecutive semesters

Include all approved Leave of Absence (LOA) periods, except those given for medical reasons.

For more information, please refer to the FAQ.

TUITION FEE BEYOND NORMAL CANDIDATURE

With effect from the admission cohort of AY2016/2017, students admitted into an undergraduate degree under the modular system in NUS and who take longer than the normal candidature period to complete their degree requirements will have to pay partial non-subsidized fees, culminating in full non-subsidized fees, during the extended semesters.

In view that the Ministry of Education provides a Tuition Grant to subsidize a student's tuition fees up to the normal candidature period, the tuition fee payable beyond that would be the full non-subsidized semestral fees. To mitigate the impact of higher fees, the University undertakes to charge affected students only a proportion of the full non-subsidized semestral fees pro-rated based on the MCs read in the extended semesters. In addition, the pro-rated full fees payable in the first and second semester beyond normal candidature will be capped at 120% and 150% of the subsidized semestral fees respectively.

The fees payable beyond normal candidature period are summarized in the following table:

Student Type	Semester after Normal Candidature Period	Revised fee pro-rated based on students' semester workload of x-MC
Single Degree Student	1st	'Full^ semestral# fees X Workload%*' **capped at** 'Subsidised semestral# fees X 120%'
	2nd	'Full^ semestral# fees X Workload%*' **capped at** 'Subsidised semestral# fees X 150%'
	3rd onwards	Full^ semestral# fees X Workload%*
Double Degree Student	1st	'Full^ semestral# fees X Workload%*' **capped at** 'Subsidised semestral# fees X 120%'
	2nd	'Full^ semestral# fees X Workload%*' **capped at** 'Subsidised semestral# fees X 150%'
	3rd onwards	Full^ semestral# fees X Workload%*

^Full (non-subsidised) fees are set out under the column "Fees payable by students not in receipt of MOE Tuition Grant" in the undergraduate fees table (refer here). #Semestral fees refer to half of annual tuition fees set out in the undergraduate fees table (refer here).

*Given that the student reads x-MC of modules in the semester concerned, the 'Workload%' is capped at 100% if x exceeds 20MCs and xMC/20MC if otherwise, for fee computation purposes, i.e., tuition fee is pro-rated for workload < 20MCs. *9th semester for DDP (single honours) and 10th semester for DDP (double honours) (refer here).

Students who register for module(s) in the Special Term immediately following the expiry of their normal candidature period will continue to pay subsidised fees on a per module basis. However, for the Special Terms beyond that, the Special Term fees payable will be the full non-subsidised semestral fees pro-rated based on the number of MCs read.

Please refer to the links for more details:
http://www.nus.edu.sg/registrar/education-at-nus/undergraduate-education/fees.html#TuitionFeebeyondNormalCandidature

For more information, please refer to the FAQ.

PROGRAMMES OF INTEREST

SECOND MAJORS AND MINORS OFFERED BY THE FACULTY OF SCIENCE

Science students who wish to enhance and broaden their undergraduate studies may opt for a second major or apply for minors. Please refer to the following websites for more information:
http://www.science.nus.edu.sg/undergraduate-studies/ugprog/second-majors
http://www.science.nus.edu.sg/education/undergraduate/ug-programmes/science-minors

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IMPORTANT REMINDER

Important information will be transmitted to students through the Faculty of Science Website
http://www.science.nus.edu.sg/ or via electronic mail.

Please note that it is your responsibility to check these channels regularly for latest updates. You are also reminded to clear your NUS Email Account regularly so that important emails can be delivered to you.

We wish you success in your studies.

Yours sincerely,

A/Prof Chua Tin Chiu
Associate Dean
Science Dean's Office

cc   Dean, Vice Deans, Associate Deans & Assistant Deans, Faculty of Science
        Registrar
        Dean, Office of Student Affairs
        Director, Centre for English Language Communications
        Director of Programme, Quantitative Finance
        Director of Programme, Special Programme in Science
        Director of Programme, Food Science & Technology
        Director of Programme, Computational Biology
        Director of Programme, Bachelor of Environmental Studies
        Heads of Departments of Biological Sciences, Chemistry, Mathematics, Statistics & Applied Probability, Pharmacy, and Physics, Faculty of Science
        Heads of Departments of Anatomy, Biochemistry, Microbiology and Immunology, Pathology, Pharmacology, and Physiology, Yong Loo Lin School of Medicine
        Director, IT Unit
        Masters of Halls of Residence
        Presidents, Science Club & Science CBLC