

# Induction Day for 6901 BSc Students

## BSc Curriculum and Course Selection

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Associate Dean (Student Affairs)

**August 9, 2019**



**SHKU**  
**Science**



The background is a light orange color with a repeating pattern of various science-related icons in a darker orange. These icons include DNA double helices, atomic models with electrons, bar charts, line graphs, and circular diagrams resembling cell structures or orbits.

# ***Welcome to Faculty of Science!***





# Overview



- 6901 BSc Curriculum & Graduation Requirements
  - Academic Advising System
  - Course Selection
  - Experiential Learning
  - Articulation Pathways (New)
  - Plagiarism
  - Disciplinary Issues
  - Inclusive Language in Academic Work
  - Regulations on Discontinuation

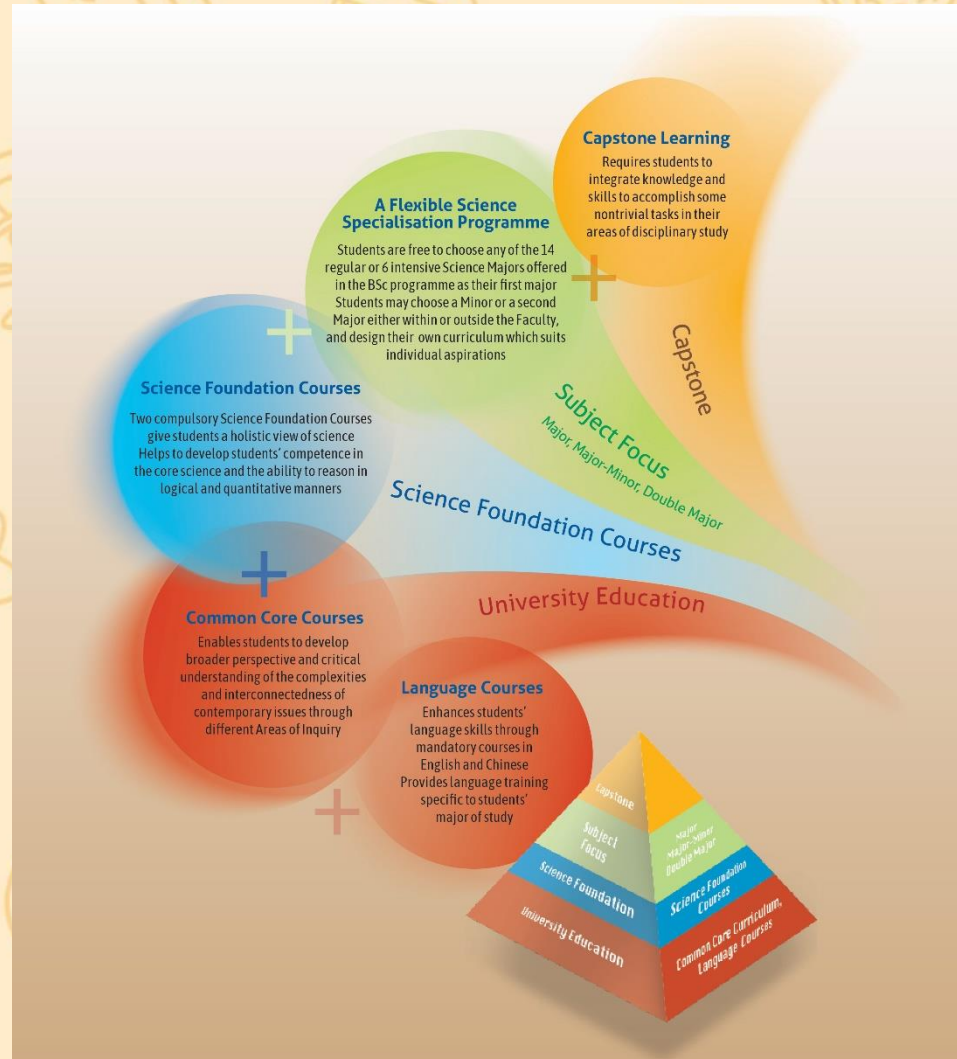


The background is a light orange color with a repeating pattern of various science-related icons in a slightly darker orange. These icons include DNA double helices, atomic models with orbiting electrons, bar charts, line graphs, microscopes, and petri dishes. In the top right corner, there is a decorative graphic consisting of a grid of colored dots in shades of purple, blue, and green, with a vertical line to its left.

# **6901 BSc Curriculum & Graduation Requirements**



# Curriculum Structure of the BSc Degree (240 Credits)





# Science Majors

Students admitted to the first year of the 6901 BSc programme in the academic year of 2019-20 and thereafter can choose any of the following **14 regular or 6 intensive** Science majors as **primary Science major**

- Biochemistry
- Biological Sciences
- Chemistry
- **Chemistry (Intensive)**
- Decision Analytics
- Earth System Science
- Ecology & Biodiversity
- **Ecology & Biodiversity (Intensive)**
- Environmental Science
- Food & Nutritional Science
- Geology
- **Geology (Intensive)**
- Mathematics
- **Mathematics (Intensive)**
- Molecular Biology & Biotechnology
- **Molecular Biology & Biotechnology (Intensive)**
- Physics
- **Physics (Intensive)**
- Risk Management
- Statistics





# Science Minors

## 18 Science minors

- Actuarial Studies
- Astronomy
- Biochemistry
- Chemistry
- Computational & Financial Mathematics
- Earth Sciences
- Ecology & Biodiversity
- Environmental Science
- Food & Nutritional Science
- Marine Biology
- Mathematics
- Molecular Biology & Biotechnology
- Operations Research & Mathematical Programming
- Physics
- Plant Science
- Risk Management
- Science Entrepreneurship
- Statistics





# Minors and 2<sup>nd</sup> Majors Available for BSc Students



- **2<sup>nd</sup> Majors\***

- Science
- Arts
- Business & Economics
- Engineering
- Social Sciences

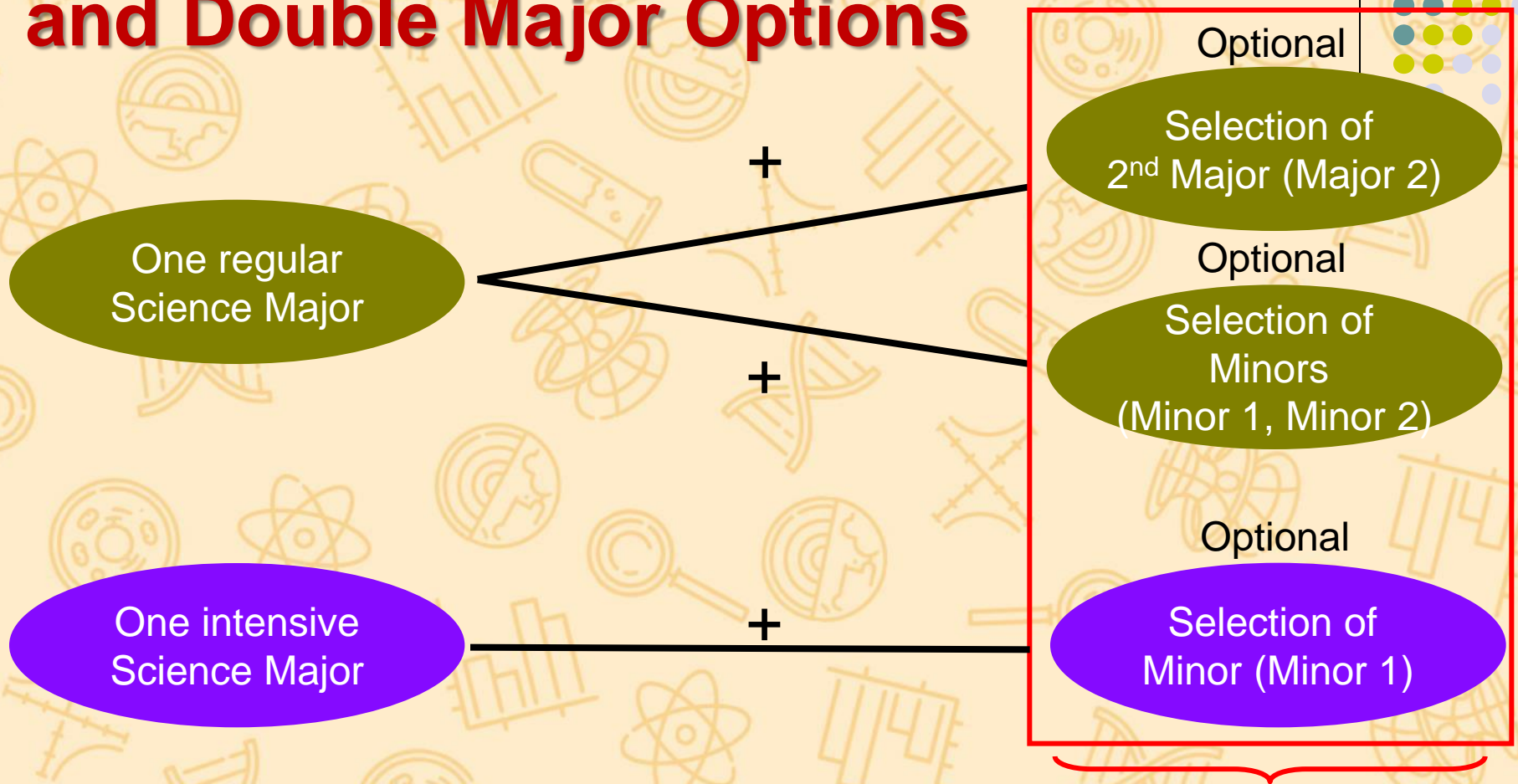
- **Minors**

- Science
- Architecture
- Arts
- Business & Economics
- Education
- Engineering
- Medicine
- Social Sciences

\***Non-Science major** can only be taken as the 2<sup>nd</sup> major. Some non-Science majors/minors may require a minimum academic result before you are allowed to enroll in them.



# Major-Minor and Double Major Options

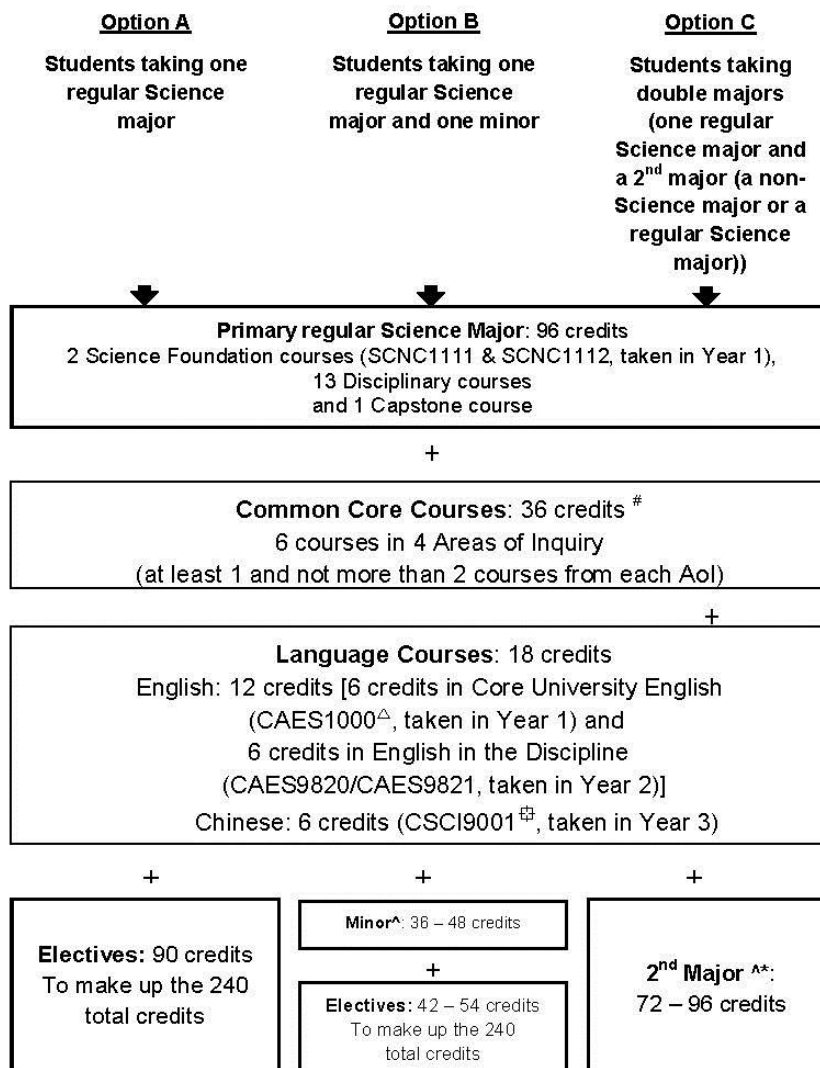


\* **Quota** & **timetabling restrictions** may apply. Some non-Science majors/minors may require a minimum academic result before you are allowed to enroll in them.



# BSc Curriculum Requirements

## Curriculum requirements (240 credits)





# BSc Curriculum Requirements (cont.)

## Curriculum requirements (240 credits)

### Option D

Students taking an  
intensive Science  
major

### Option E

Students taking an  
intensive Science  
major and a minor

↓ ↓

**Primary intensive Science Major<sup>^</sup>:** 144 - 150 credits  
2 Science Foundation courses (SCNC1111 & SCNC1112,  
taken in Year 1), 21 - 22 Disciplinary courses and 1 - 2  
Capstone course(s)

+

**Common Core Courses:** 36 credits <sup>#</sup>  
6 courses in 4 Areas of Inquiry  
(at least 1 and not more than 2 courses from each Aoi)

+

**Language Courses:** 18 credits  
English: 12 credits [6 credits in Core University English  
(CAES1000<sup>^</sup>, taken in Year 1) and  
6 credits in English in the Discipline  
(CAES9820/CAES9821, taken in Year 2)]  
Chinese: 6 credits (CSCI9001<sup>⊕</sup>, taken in Year 3)

+

**Electives:**  
36 - 42 credits  
To make up the 240  
total credits

+

**Minor<sup>^</sup>:** 36 - 48 credits

+

**Electives:** 0 - 6 credits  
To make up the 240  
total credits



# Example of BSc Programme Structure by Year of Study



Yr 4	Cap-stone	Major	Major	Major	Major	Major	Intensive Major	Intensive Major	(Intensive Major)	
Yr 3	CC	CC	Chi	Major	Major	Major	Intensive Major	Intensive Major	Intensive Major	
Yr 2	CC	CC	Eng 2	Major	Major	Major	Intensive Major	Intensive Major		
Yr 1	CC	CC	Eng 1	SF1	SF2	Major	Major	Intensive Major		

CC – Common Core Courses  
 SF – Science Foundation Courses  
 Chi – Chinese

Eng 1 – Core University English  
 Eng 2 – English in the Discipline

Note: Different distributions of courses over the years are possible. Blank boxes can be used for elective courses, or courses leading to a minor or a 2<sup>nd</sup> major (Major 2).



# Common Core Curriculum



- The Common Core Curriculum is designed to **provide key common learning experience** for all HKU students and **to broaden their horizons** beyond their chosen disciplinary fields of study.
- It focuses on issues that have been, and continue to be, of deeply profound significance to mankind, the core intellectual skills that all HKU undergraduates should acquire and the core values that they should uphold.
- The Common Core Curriculum is divided into four Areas of Inquiry (Aols):
  - (1) Scientific and Technological Literacy;
  - (2) Humanities;
  - (3) Global Issues; and
  - (4) China: Culture, State and Society.
- Students have to pass **36 credits** of courses in the Common Core Curriculum. They should select *at least one and not more than two courses* from each Area of Inquiry with not more than 24 credits of courses being selected within one academic year except where candidates are required to make up for failed credits.
- Common Core courses should be completed normally within the first three years of the BSc study and cannot be extra taken as free electives.



# Capstone Requirement



- Capstone experience is an integral part of the major/programme which focuses on integration and application of knowledge and skills gained in the early years of study.
- Student must complete capstone experience for [fulfillment of the graduation requirement](#).
- Capstone course carries a minimum of 6 credits and is normally taken in the [senior years \(Year 3 or 4\)](#) of study.
- The earliest that students are allowed to take a capstone course is their Year 3 study, after the completion of **at least 24 credits of advanced level disciplinary core/elective courses in the major (disciplinary core/elective courses in the major)** (*Please refer to the individual capstone course for the pre-requisites*).
- The capstone courses in each Science major may be different but a range of courses (e.g. internship, seminar, field work, capstone project, research project) is offered to suit individual student's needs and interests.



# List of Capstone Courses by Major

Major/Programme	Recognized Capstone Courses (for 2019 cohort)
1. Biochemistry	1. BIOC3999 Directed studies in biochemistry (6) 2. BIOC4966 Biochemistry internship (6) 3. BIOC4999 Biochemistry project (12)
2. Biological Sciences	1. BIOL3994 Directed studies in biological sciences (6) 2. BIOL4964 Biological sciences internship (6) 3. BIOL4994 Biological sciences project (12)
3. Chemistry	1. CHEM3999 Directed studies in chemistry (6) 2. CHEM4910 Chemistry literacy and research (6) 3. CHEM4911 Capstone experience for chemistry undergraduates: HKUtopia (6) 4. CHEM4966 Chemistry internship (6) 5. CHEM4999 Chemistry project (12)
4. Chemistry (Intensive) <i>(for 2015 cohort and thereafter)</i>	1. CHEM3999 Directed studies in chemistry (6) 2. CHEM4966 Chemistry internship (6) 3. CHEM4999 Chemistry project (12)
5. Earth System Science	1. EASC4911 Earth system: contemporary issues (6)



# List of Capstone Courses by Major (cont.)



Major/Programme	Recognized Capstone Courses (for 2019 cohort)
6. Ecology & Biodiversity	1. BIOL4991 Ecology & biodiversity project (12)
7. Ecology & Biodiversity (Intensive) (for 2015 cohort and thereafter)	1. BIOL3991 Directed studies in ecology & biodiversity (6) 2. BIOL4911 Conservation science in practice (6) 3. BIOL4991 Ecology & biodiversity project (12)
8. Environmental Science	1. ENVS3999 Directed studies in environmental science (6) 2. ENVS4966 Environmental science internship (6) 3. ENVS4999 Environmental science project (12)
9. Food & Nutritional Science	1. BIOL3992 Directed studies in food & nutritional science (6) 2. BIOL4922 Food product development and evaluation (6) 3. BIOL4962 Food & nutritional science internship (6) 4. BIOL4992 Food & nutritional science project (12)
10. Geology 11. Geology (Intensive) (for 2015 cohort and thereafter)	1. EASC4955 Integrated field studies (6)
12. Mathematics 13. Mathematics (Intensive) (for 2016 cohort and thereafter)	1. MATH3999 Directed studies in mathematics (6) 2. MATH4910 Senior mathematics seminar (6) 3. MATH4911 Mathematics capstone project (6) 4. MATH4966 Mathematics internship (6) 5. MATH4999 Mathematics project (12)



# List of Capstone Courses by Major (cont.)



Major/Programme	Recognized Capstone Courses (for 2019 cohort)
14. Molecular Biology & Biotechnology	1. BIOL3993 Directed studies in molecular biology & biotechnology (6) 2. BIOL4963 Molecular biology & biotechnology internship (6) 3. BIOL4993 Molecular biology & biotechnology project (12)
15. Molecular Biology & Biotechnology (Intensive) (for 2015 cohort and thereafter)	1. BIOL4993 Molecular biology & biotechnology project (12)
16. Physics 17. Physics (Intensive) (for 2016 cohort and thereafter)	1. PHYS3999 Directed studies in physics (6) 2. PHYS4966 Physics internship (6) 3. PHYS4999 Physics project (12)
18. Decision Analytics 19. Risk Management 20. Statistics	1. STAT3799 Directed studies in statistics (6) 2. STAT4710 Capstone experience for statistics undergraduates (6) 3. STAT4766 Statistics internship (6) 4. STAT4799 Statistics project (12)



# List of Capstone Courses by Major (cont.)



Major/Programme	Recognized Capstone Courses (for 2019 cohort)
BSc(ActuarSc)	1. STAT4711 Capstone experience for actuarial science undergraduates (6) 2. STAT4767 Actuarial science internship (6) 3. STAT4798 Statistics and actuarial science Project (6)
BASc(AppliedAI)	1. APAI3799 Directed studies in Applied AI (6) 2. APAI4766 Applied AI internship (6) 3. APAI4798 Applied AI project (6)

FAQs on capstone requirement can be found in the Faculty website at [https://www.scifac.hku.hk/f/page/4788/10863/FAQs\\_on\\_Capstone\\_Requirement.pdf](https://www.scifac.hku.hk/f/page/4788/10863/FAQs_on_Capstone_Requirement.pdf).



# Students Taking Double Majors, Major-Minor or Double Minors with Overlapping Course Requirements



- General Principle

- Double-counting of courses up to a maximum of 24 credits is permissible with double majors. The double-counted courses in both Science majors must include SCNC1111 and SCNC1112. Additional credits to be double-counted must be for 'disciplinary core' courses required by both majors.



# Students Taking Double Majors, Major-Minor or Double Minors with Overlapping Course Requirements (cont.)



- Situation #1
  - For cases with 24 or less double-counted credits, the student must make up an equivalent number of credits by taking other courses offered by any faculties.





# Students Taking Double Majors, Major-Minor or Double Minors with Overlapping Course Requirements (cont.)

The following list shows the major-major combinations that have more than 24 credits of the same ‘disciplinary core’ courses that appear in both Science majors and is subject to the rule of double counting:

Major-Major combination	Admission Year (Year 1)	No. of common ‘disciplinary core’ courses (credits) appear in both Science majors including SCNC1111 and SCNC1112	No. of replacement courses (credits) to be taken in the 2 <sup>nd</sup> major (‘Major 2’)
Major in Astronomy Major in Mathematics/Physics	2014	5 (30 credits)	1 (6 credits)
Major in Astronomy Major in Physics	2014	6 (36 credits)	2 (12 credits)
	2015, 2016, 2017	5 (30 credits)	1 (6 credits)
Major in Biochemistry Major in Chemistry	2015, 2016, 2017, 2018, 2019	5 (30 credits)	1 (6 credits)
Major in Biochemistry Major in Molecular Biology & Biotechnology	2014	5 (30 credits)	1 (6 credits)
Major in Biological Sciences Major in Ecology & Biodiversity	All years	7 (42 credits)	3 (18 credits)
Major in Biological Sciences Major in Food & Nutritional Science	2014, 2017, 2018, 2019	6 (36 credits)	2 (12 credits)
	2015, 2016	7 (42 credits)	3 (18 credits)
Major in Biological Sciences Major in Molecular Biology & Biotechnology	2014	5 (30 credits)	1 (6 credits)
	2015, 2016, 2017, 2018, 2019	6 (36 credits)	2 (12 credits)
Major in Earth System Science Major in Geology	2014, 2015, 2016	5 (30 credits)	1 (6 credits)
Major in Ecology & Biodiversity Major in Food & Nutritional Science	2017, 2018, 2019	5 (30 credits)	1 (6 credits)
	2014, 2015, 2016	6 (36 credits)	2 (12 credits)
Major in Ecology & Biodiversity Major in Molecular Biology & Biotechnology	All years	5 (30 credits)	1 (6 credits)
Major in Food & Nutritional Science Major in Molecular Biology & Biotechnology	All years	6 (36 credits)	2 (12 credits)



# Students Taking Double Majors, Major-Minor or Double Minors with Overlapping Course Requirements (cont.)



- Situation #2

- If more than 24 credits (including SCNC1111 & SCNC1112) are listed as required courses ('disciplinary core') in both the first ('Major 1') and second ('Major 2') majors undertaken by a student, the student must make up the number of credits above the 24 permissible by taking replacement course(s) in the second major ('Major 2'). The replacement course(s) must be the disciplinary elective course(s) in the second major ('Major 2') and have the same prefix and at the same or higher level as the double-counted course(s).
- The double counted credits should count the following courses in this order: **(1) SCNC1111 and SCNC1112, (2) introductory level (levels 1 and 2) courses, and (3) advanced level (level 3 or above) courses.**



**Example:** A student is taking Ecology & Biodiversity as the first major ('Major 1') and Molecular Biology & Biotechnology as the second major ('Major 2'). The following courses are common 'disciplinary core' courses of both majors.

Ecology & Biodiversity

SCNC1111

SCNC1112

BIOL1110

BIOL2102

BIOL2103

Molecular Biology & Biotechnology

SCNC1111

SCNC1112

BIOL1110

BIOL2102

BIOL2103

**Double Counting of the first 4 courses is allowed.**

**Needs to take a replacement 'disciplinary elective course' in the 2<sup>nd</sup> major ('Major 2') (with a prefix of BIOL at level 2 or above to make up for BIOL2102 OR BIOL2103 with the approval by the Course Selection Adviser)**



# Students Taking Double Majors, Major-Minor or Double Minors with Overlapping Course Requirements (cont.)



- Situation #3
  - Double counting of credits is not permissible for major-minor or double-minors combinations. When a course is required ('disciplinary core') both by the major and minor or by both minors, the student must take a replacement course for the minor. The replacement course must be the disciplinary elective in the minor and have the same prefix and at the same or higher level as the course to be replaced.
- Situation #4
  - For students taking the Mathematics related majors/minors should note the exemption and replacement arrangement from <https://www.scifac.hku.hk/current/ug/academic/overlapping-course-requirements>.
- For the situations of 2, 3 and 4 above, students have to complete the application form, seek the written endorsement from the Course Selection Adviser of the second major ('Major 2') / minor and then return it to the Faculty Office by the closing dates of course selection or add/drop periods.



# Graduation Requirements



- Satisfied the requirements in UG5 of the Regulations for First Degree Curricula#;
- Passed no fewer than **240 credits\***, comprising **96 credits** of the required courses as prescribed in the regular major programme, or **144 credits** (or a higher credit requirement by the accredited bodies) of the prescribed courses in the intensive major programme, of the BSc degree curriculum.

# UG5 specifies that students have to successfully complete:

- **12 credits of courses in English language enhancement**, including **6 credits in Core University English** and **6 credits in an English in the Discipline course (i.e. CAES9820 Academic English for Science Students OR CAES9821 Professional and Technical Communication for Mathematical Sciences)**;
- **6 credits of course in Chinese language enhancement**;
- **36 credits of courses in the Common Core Curriculum**, comprising at least one and not more than two courses from each Area of Inquiry with not more than 24 credits of courses being selected within one academic year except where candidates are required to make up for failed credits; and
- **a capstone experience** as specified in the syllabuses of the degree curriculum.

\* The maximum curriculum study load for the normative period of study: 288 credits



# Honours Classification



- Classification of honours is calculated using the **Graduation Grade Point Average GGPA** as below:

<u>Class of honours</u>	<u>GGPA range</u>
First Class Honours	3.60 – 4.30
Second Class Honours Division I	3.00 – 3.59
Second Class Honours Division II	2.40 – 2.99
Third Class Honours	1.70 – 2.39
Pass	1.00 – 1.69

- GGPA is the GPA in respect of courses attempted by a candidate (including failed courses) at the point of graduation. For students in the 2017-18 intake and thereafter who have successfully completed six Common Core courses, the calculation of Graduation GPA is subject to the proviso that either five Common Core courses with the highest grades (covering all four Areas of Inquiry), or all six courses will be counted towards Graduation GPA, depending on which generates the higher Graduation GPA.

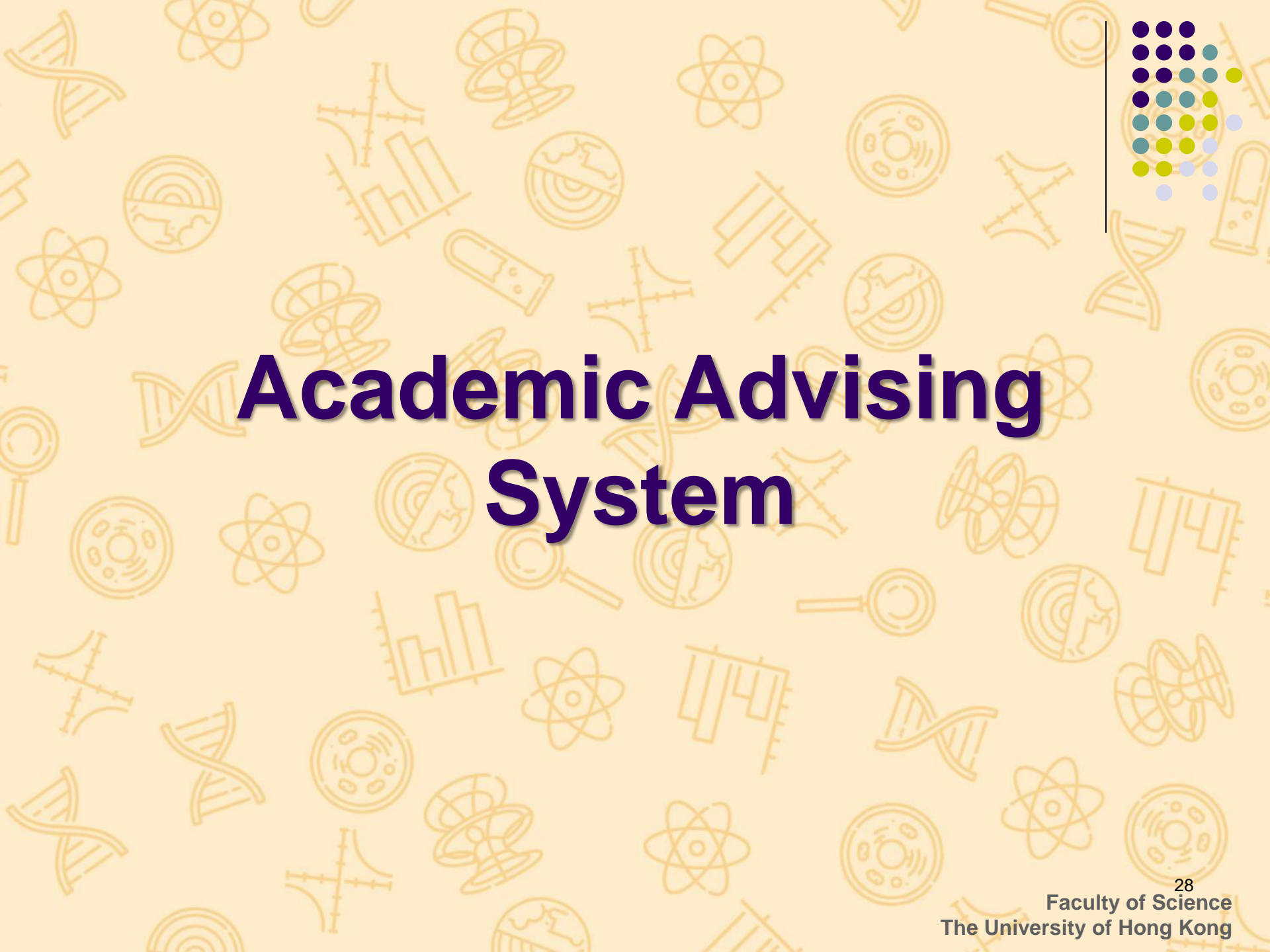


# Honours Classification (cont.)



- Credits granted for advanced standing in recognition of studies completed successfully before admission to the curriculum and credits transfer in recognition of studies completed on exchange during candidature at HKU are NOT included in the calculation of GPA.
- Honours classification may not be determined solely on the basis of a candidate's Graduation GPA and the Board of Examiners for the Degree of BSc/BSc(ActuarSc)/BASc(AppliedAI) may, at its absolute discretion and with justification, award a higher class of honours to a candidate deemed to have demonstrated meritorious academic achievement but whose Graduation GPA falls below the range stipulated in UG9(a) of the higher classification by not more than **0.1 Grade Point**.



The background is a light orange color with a repeating pattern of various science-related icons in a darker orange hue. These icons include DNA double helices, atomic models with orbiting electrons, bar charts, line graphs, and circular diagrams resembling cell structures or planetary orbits.

# Academic Advising System





# ***I am a freshman...***

*I want to have someone to discuss with... or should I read the information by myself?*



*How much time and effort am I willing to devote to studying?*

*What major am I truly interested in?*

*What do I want to do after graduation?*

*Where can I find relevant information?*

*What do I want to achieve for my university study?*



# Before selecting your minor, or courses.....



## Think...

*What's the qualification/prerequisite required of by that minor or course? Am I eligible to take?*

*What are my **strengths** and **weaknesses**?*

*What are my **academic goal** and **interests**?*

You can explore different possibilities using a semester or so.....





**Where can you  
obtain information  
& advice?**



# Faculty Academic Advisory System



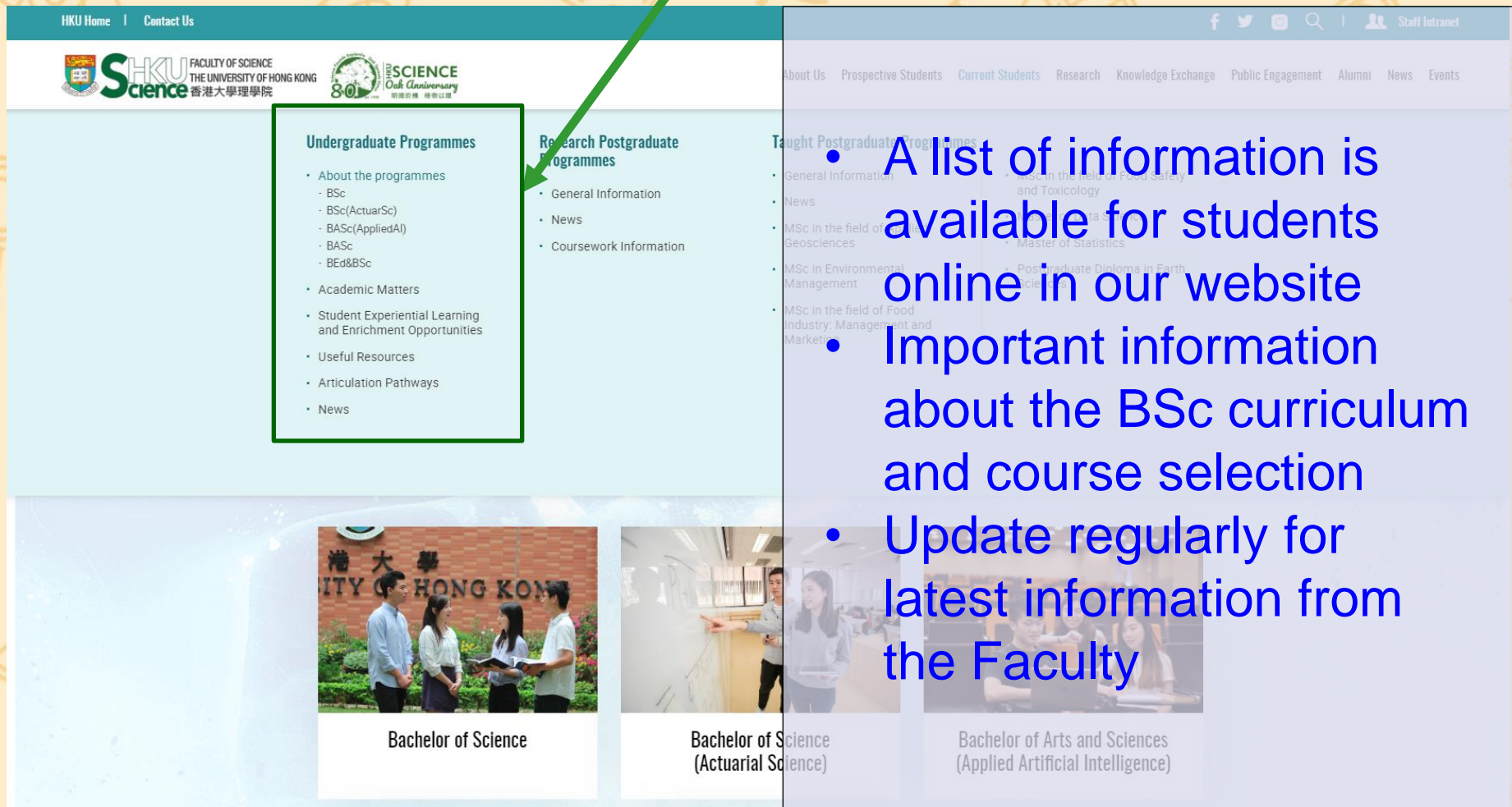
- **Information-based Advising**
  - Web resources
- **Personal Academic Advising**
  - Academic Advisers
- **Course Selection Advisers**
  - Deal with course selection/approval on a specific major
- **Student Peer Advisers**
  - Academic advising by Year 2 and above students



# Web Resources

## Faculty of Science website

<https://www.scifac.hku.hk/current/ug/about>



The screenshot shows the Faculty of Science website. A green box highlights the 'Undergraduate Programmes' section, which lists various programs and resources. A green arrow points from the URL above to this section. Below the main content, there are three images representing different undergraduate programs: Bachelor of Science, Bachelor of Science (Actuarial Science), and Bachelor of Arts and Sciences (Applied Artificial Intelligence).

**Undergraduate Programmes**

- About the programmes
  - BSc
  - BSc(ActuarSc)
  - BASc(AppliedAI)
  - BASc
  - BEd&BSc
- Academic Matters
- Student Experiential Learning and Enrichment Opportunities
- Useful Resources
- Articulation Pathways
- News

**Research Postgraduate Programmes**

- General Information
- News
- Coursework Information

**Taught Postgraduate Programmes**

- General Information
- News
- MSc in the field of Geosciences
- MSc in Environmental Management
- MSc in the field of Food Industry: Management and Market
- MSc in the field of Food Safety and Toxicology
- Master of Statistics
- Postgraduate Diploma in Earth Sciences

**Bachelor of Science**

**Bachelor of Science (Actuarial Science)**

**Bachelor of Arts and Sciences (Applied Artificial Intelligence)**

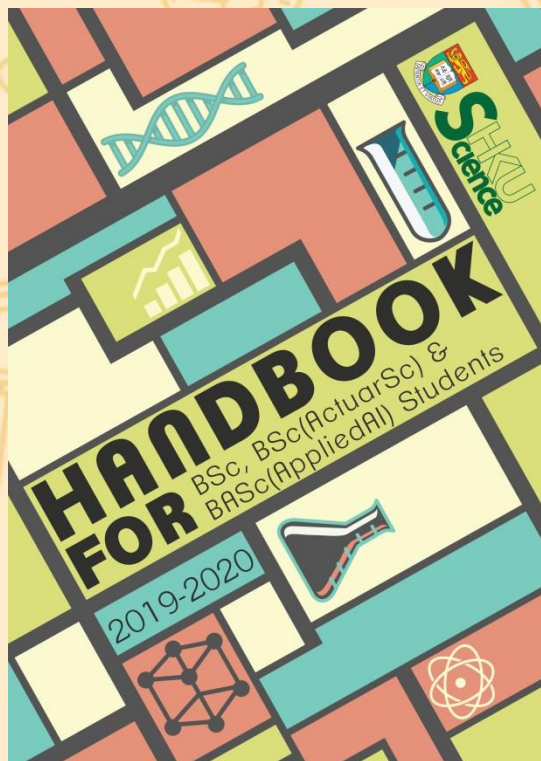
- A list of information is available for students online in our website
- Important information about the BSc curriculum and course selection
- Update regularly for latest information from the Faculty



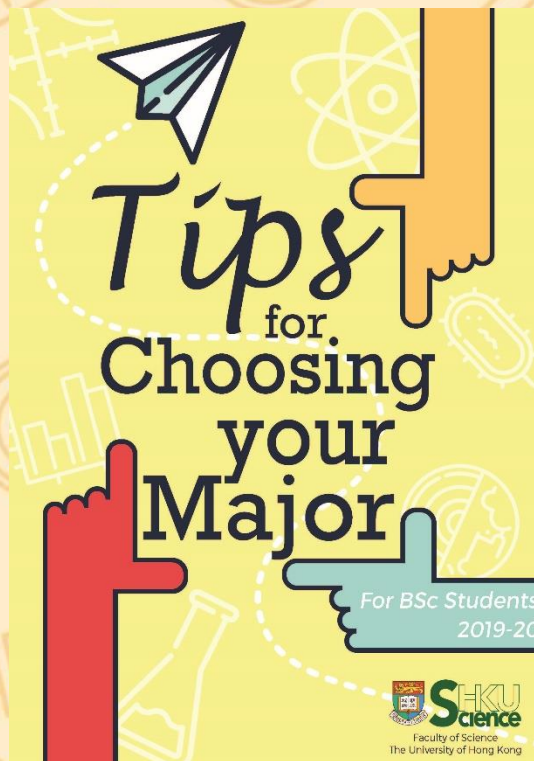
# Web Resources (cont.)



Faculty of Science website <https://www.scifac.hku.hk/current/ug/about>



**BSc regulations, course selection procedures and important events**



**Advice and self-exploration before selection of majors and minors**



**BSc syllabuses (full list of majors and minors and BSc courses with courses description)**



# Web Resources (cont.)

## Academic Advising Office (AAO) of the University

<http://aao.hku.hk>

The screenshot displays the AAO website with a navigation sidebar on the left and a main content area. The sidebar includes links: 'Appointment with AAO' (green), 'Ecards to thank Advisers' (orange), and 'Find your Faculty Adviser' (purple). The main content area features the AAO logo, a search bar, and a large illustration of an 'Academic Roadmap' for Year One (EXPLORE) and Year Two (ENGAGE). The Year One section lists three questions: '1. How well are you adjusting to university learning?', '2. What are your goals? Do you have an academic plan?', and '3. U life can be overwhelming. Are you using your prioritizing and time management skills well?'. The Year Two section lists two questions: '1. How well are you adjusting to university learning?' and '2. What are your goals? Do you have an academic plan?'. The Year One section also includes a 'Home Faculty' link. The Year Two section includes a 'Declare your first major' link and a 'Consider your minor / second major' link. At the bottom, there are icons for 'Student' (a green owl) and 'Faculty and Staff' (a blue graduation cap).

Appointment with AAO

Ecards to thank Advisers

Find your Faculty Adviser

AAO Academic Advising Office The University of Hong Kong

HKU HKU Portal Site Map Contact Us

Search...

Send a "thank you" card to your adviser !

Ace Your Studies With Library Resources !

HKU Academic Roadmap, Try it out!

HKU has a university-wide academic advising system to support your education !

Year One: EXPLORE

1. How well are you adjusting to university learning?

2. What are your goals? Do you have an academic plan?

3. U life can be overwhelming. Are you using your prioritizing and time management skills well?

Attend orientations

Balance studies, activities and sleep

Home Faculty

Academic Roadmap

Year Two: ENGAGE

Declare your first major

Consider your minor / second major

Student

Faculty and Staff



# Faculty Academic Advising Team



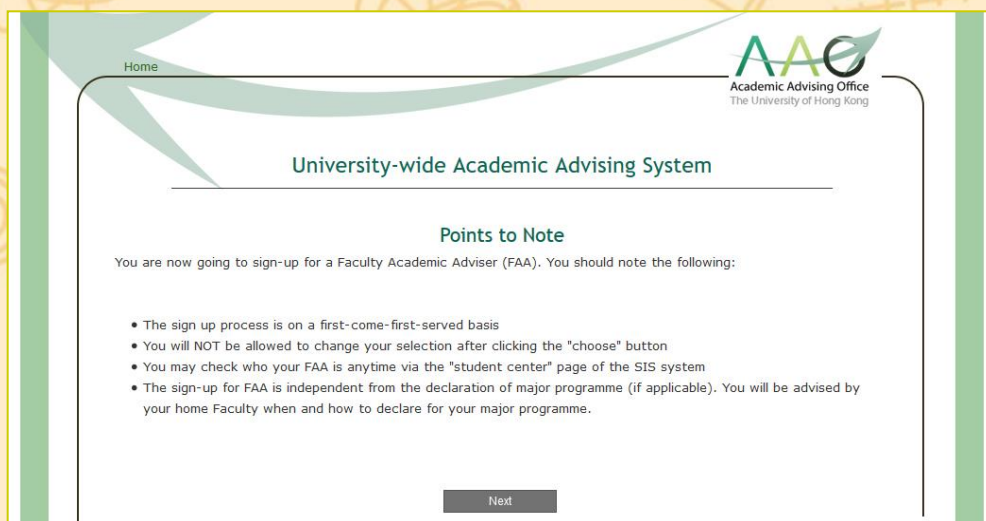
## ✓ Academic Advisers

- You can select your Academic Adviser or have one assigned according to your intended major by using the **online sign-up system**
- Facilitate freshmen to set academic and personal goals
- Offer academic advice on intended major
- Offer guidance for your transition from secondary school to university, and enrich your total learning experience

✓ *Your 'My Course History' has to be endorsed by your Academic Adviser by the end of the add/drop period in the 1<sup>st</sup> semester.*



# Sign-up System for Academic Adviser



Sign up for your Academic Adviser  
**from 6:00 pm, August 9, 2019  
(Friday) to 11:59 pm, August 15,  
2019 (Thursday)** at  
[https://ugaa.hku.hk/signup-  
faa.php](https://ugaa.hku.hk/signup-faa.php).

If you do not sign up by August  
15, 2019 (Thursday), the System  
will randomly assign one for you  
according to your intended major.



# Sign-up System for Academic Adviser (cont.)



## University-wide Academic Advising System

Sign-up of Faculty Academic Adviser in academic year 2019-20

Please choose a Faculty

Faculty of Science



# Sign-up System for Academic Adviser (cont.)



Choose according to your intended major / programme on BSc

	Major/Programme ▾	Status ▾
<input type="radio"/>	Biochemistry	Available
<input type="radio"/>	Biological Sciences	Available
<input type="radio"/>	Chemistry	Available
<input type="radio"/>	Chemistry (Intensive)	Available
<input type="radio"/>	Decision Analytics	Available
<input type="radio"/>	Earth System Science	Available
<input type="radio"/>	Ecology & Biodiversity	Available
<input type="radio"/>	Ecology & Biodiversity (Intensive)	Available
<input type="radio"/>	Environmental Science	Available
<input type="radio"/>	Food & Nutritional Science	Available
<input type="radio"/>	Geology	Available
<input type="radio"/>	Geology (Intensive)	Available
<input type="radio"/>	Mathematics	Available
<input type="radio"/>	Mathematics (Intensive)	Available
<input type="radio"/>	Molecular Biology & Biotechnology	Available
<input type="radio"/>	Molecular Biology & Biotechnology (Intensive)	Available
<input type="radio"/>	Physics	Available
<input type="radio"/>	Physics (Intensive)	Available
<input type="radio"/>	Risk Management	Available
<input type="radio"/>	Statistics	Available

Choose

Back



# Sign-up System for Academic Adviser (cont.)

Choose one Faculty Academic Adviser directly form the list of advisers for BSc

	Name ▾	Faculty/Department ▾	Major/Programme ▾	Status ▾
<input type="radio"/>	Dr. Ho Yu AU-YEUNG	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Prof. Pauline CHIU	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Xiang LI	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Xiaoyu LI	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Jinyao TANG	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Angela P L TONG	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Edmund C M TSE	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Yufeng WANG	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Jun YANG	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available
<input type="radio"/>	Dr. Angela M Y YUEN	Dept of Chemistry	Chemistry/Chemistry (Intensive)	Available

☐ I have no preference and would like an automatic assignment by the system.

Choose

Back



# Faculty Academic Advising Team (cont.)



## ✓ Administrative Assistant of the Faculty Office

- General advice

## ✓ Course Selection Advisers

- Teachers representing all majors/minors offered in the Faculty of Science
- Provide academic advice on major(s)/minor(s) and course selection

- ✓ Approval of pre-requisite / timetable clashes waiver
- ✓ Approval of replacement course (if a major/minor or major/major combination shares the same core course)
- ✓ [Approved by **Chief Course Selection Adviser** only] Approval for taking course load deviating from normal load (taking <24 credits or >36 to 42 credits in a semester or taking <60 credits or >72 to 84 credits in an academic year)
- ✓ **Students are NOT allowed to take more than 72 credits in Year 1.**



# Faculty Academic Advising Team (cont.)



## ✓ Student Peer Advisers

- A group of dedicated senior students that serve as a contact point for freshmen regarding academic enquiries  
<https://www.scifac.hku.hk/current/ug/academic/aa/spa>
- Starting from 2019-20, there will be a matching between freshmen and Student Peer Advisers
- You will be informed of your assigned Student Peer Adviser in mid- to late August.

The Facebook logo, featuring the word "facebook" in white lowercase letters on a blue rectangular background.



# Faculty Academic Advising Team (cont.)

## ✓ Student Peer Advisers

Student Peer Advisers will also be available at the **'Student Peer Advising Corner' counter** at the Faculty Office during the add/drop period of the 1<sup>st</sup> semester of 2019-20 to answer your enquiries!





# SIS for Academic Advising



SIS Main Menu

Search:

Self Service

Academic Planning

Enrollment

Campus Finances

Campus Personal Information

Academic Records

Other Self Service

**Student Center**

Records and Enrollment

Curriculum Management

Chan Tai Man's Student Center

Academics

Plan

Enroll

My Academics

other academic...

»

You are not enrolled in classes.

Finances

My Account

Account Inquiry

Bank Account Information

RPq Leave Information

RPq Studentship Details

NLS Loan Information

TSFS Loan Information

Grant/Loan Application View

other financial...

»

Account Summary

You owe 106,460.00.

Due Now 85,410.00

Future Due 21,050.00

\*\* You have a past due balance of 85,410.00. \*\*

Currency used is Hong Kong Dollar.

shopping cart ▶

Personal Information

Demographic Data

Emergency Contact Names

other personal...

»

Contact Information

Correspondence Address

Home Address

Lung Court, 33 Tin wan Praya Road, HK.

Contact Phone 21234567

Lung Court, 33 Tin wan Praya Road, HK.

Campus Email sistst02@hku.hk

SEARCH FOR CLASSES

Holds

De-Reg due to non-payment 85,410.00

Currency used is Hong Kong Dollar.

details ▶

Advisor

Program Advisor

Kwong Pok Chow

details ▶

Other Links


Guidelines and Forms



# Student Center (cont.)



[Home](#)

  
Academic Advising Office  
The University of Hong Kong

## University-wide Academic Advising System

[| View My Advisers | E-Academic Planner |](#)

### View My Advisers

**Academic Program:** BSc(ActuarSc) (4)

Adviser Name	Adviser Email	Department	Adviser Comments	Consultation hour
Prof. [redacted]	[redacted]@hku.hk	Dept of Statistics & Actuarial	--	英

No. of advisers: 1

### Faculty Student Advisers

Adviser Name	Adviser Email	Programme	Adviser Comments
[redacted]	[redacted]@hku.hk	BSc(ActuarSc)	--

No. of student advisers: 1

#Student who has requested for Temporary Academic Adviser (TAA) will be informed of the TAA assigned by e-mail within one working day.



The background is a light orange color with a repeating pattern of various science-related icons in a darker orange hue. These icons include DNA double helices, atomic models with orbiting electrons, bar charts, line graphs, microscopes, and petri dishes. In the top right corner, there is a decorative graphic consisting of a grid of colored dots in shades of purple, blue, and green, with a vertical line to its left.

# Course Selection



# Timetable of Events for Course Selection (BSc I only)



**August 21 – 27, 2019**

*Course selection period*

**September 2, 2019**

*1<sup>st</sup> semester starts*

**September 2 – 16, 2019**

*Course add/drop period (1<sup>st</sup> semester)*

**January 20, 2020**

*2<sup>nd</sup> semester starts*

**January 20 – February 10, 2020**

*Course add/drop period (2<sup>nd</sup> semester)*





# What you **MUST** do ...



## Step 1

- Select your courses for the 1<sup>st</sup> and 2<sup>nd</sup> semesters from the SIS
- Obtain approval from Course Selection Advisers if necessary

## Step 2

- Make an appointment with your Academic Adviser
- Print out '**My Course History**' from the SIS and bring it to your **Academic Adviser** for his/her endorsement

## Step 3

- Bring your **endorsed 'My Course History'**\*, Course Approval Form (if applicable), Application form for taking a replacement course (if applicable)

⇒ to the Faculty of Science Office

**\*only for the 1<sup>st</sup> semester of the 1<sup>st</sup> year of study**

**By 4 pm on  
Sept 16**



# Course Add/Drop Periods

## (August – September 2019 and January 2020)



On-line course selection system available for course selection (add/drop) **(Sep 2 / Jan 20, 10 am)**



Students prepare Course Approval Form for courses required special approval (if any) and seek endorsement by Course Selection Adviser(s) of the course offering department(s)/school(s)



Students select courses on-line **(Sep 2 – 16 / Jan 20 – Feb 10)**



Students who have applied for BSc courses required course based approval to check approval status



Students finalize course selection on-line



Print out “My Course History” from SIS for endorsement by Academic Advisers  
(mandatory to all Year 1 students)



For all Year 1 students: submit the signed print-out of “My Course History” to the Faculty Office by deadline



**Submission deadline: Sep 16, 4 pm**

Submit the signed Course Approval Form (if applicable) to the Faculty Office by the end of add/drop period for students who have any course changes



Check course selection status on-line **(Sep 21 / Feb 15, 10 am)**



# Notes on Course Selection of Science Foundation Courses



- The two Science Foundation courses can be taken in **ANY ORDER**, i.e. it is not necessary to take SCNC1111 first.
- Please enroll in **BOTH courses (including the one to be taken in Semester 2)** in one go. If you have not enrolled in both courses by the end of the course selection period in August, you will be randomly assigned to the class.
- Please check the ballot result on a regular basis until the status for both courses are “approved”.



# Declaration of Major/Minor

*You do not have to decide your major in the first year!*

*Talk with your **Academic Adviser** for ideas and suggestions!!!*





# Declaration of Major/Minor (cont.)



- Online course selection via **SIS** under the HKU Portal website (<https://hkuportal.hku.hk/>)
- You have to declare your **primary Science major** (and/or **minor(s)** and **2<sup>nd</sup> major (major 2)**) online during the course selection period in August **before the start of your third year of study**, the latest.
- Your declared major/minor can be changed afterwards.\*

*\* As long as the course selection system is opened in the course selection period and course add/drop period of each semester (Latest: in the 1<sup>st</sup> semester of the last academic year for graduation).*



The background is a light orange color with a repeating pattern of various scientific icons in a darker orange hue. These icons include DNA double helices, atomic models with orbiting electrons, bar charts, line graphs, microscopes, and other symbols representing biology, chemistry, and physics.

# Experiential Learning





# Experiential Learning Activities



- To complement and enhance the curriculum so as to give students an all-rounded and holistic education;
- To require students to tackle real-life issues and problems by drawing on theoretical knowledge that they have learnt in formal curriculum;
- To address the limitations in lecture and classroom-based learning.



# Experiential Learning Activities (cont.)



- Project-based Learning
  - Undergraduate Research Opportunities
    - Final Year Project
    - Directed Studies
    - Summer Research Fellowship (SRF) Scheme
    - Overseas Research Fellowship (ORF) Scheme
    - Undergraduate Research Fellowship Programme (URFP)
    - Undergraduate Research Colloquium for Science Students
  - Seminar Course
  - Capstone Experience
- Field Studies
- Discipline Internship and Professional Preparation Programme
- Student Exchange Programme / Visiting Studies / Summer Schools offered by Faculty/School/Departments



# Experiential Learning Activities (cont.)



## One Mainland China, One Overseas Learning Opportunity

- To promote global citizenship and competitiveness, students are strongly encouraged to participate in at least one mainland China and one overseas learning opportunity, with duration of **no less than three weeks** of which at least two weeks must be outside Hong Kong, in their undergraduate study.

*Stay tuned for the Opportunities at:*



HKU Summer Institute





# Project-based Learning





# Field Studies





# Exchange/Visiting/Summer Studies







# Articulation Pathways (New)

HKU Summer Institute



# HKU BSc + UoMelb DVM

(articulation pathway to Doctor of Veterinary Medicine at the University of Melbourne)

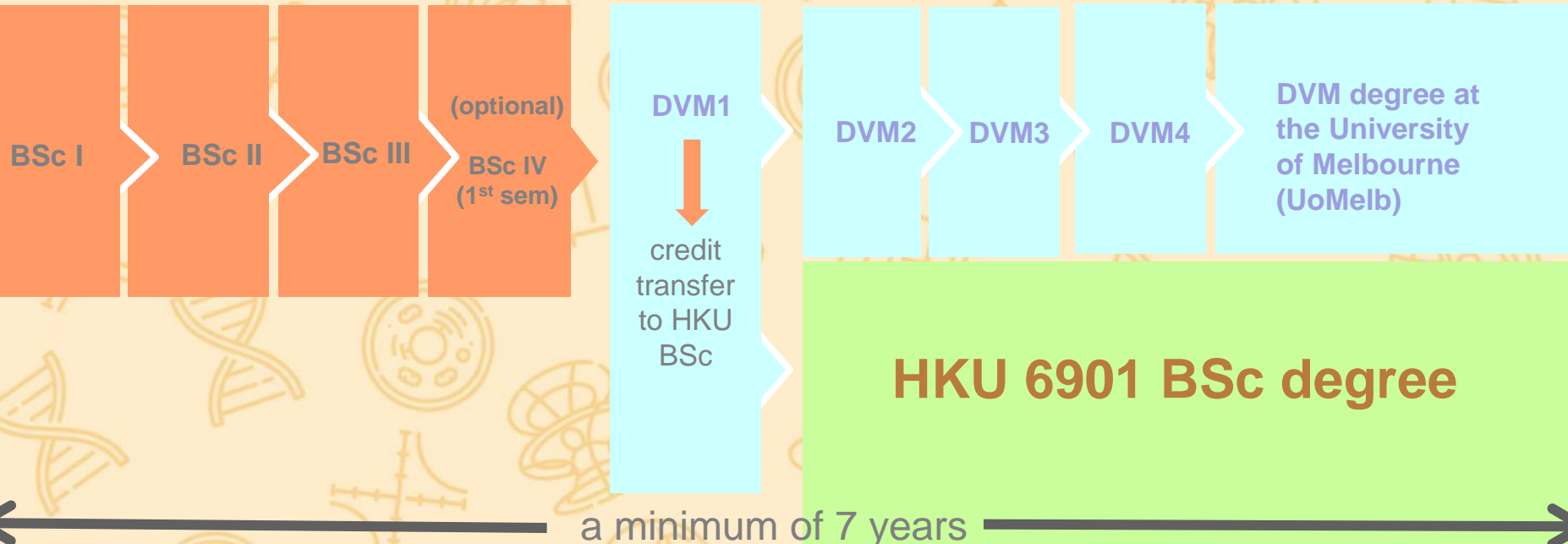


HKU 6901 BSc

Provides a new pathway to talented students who aspire to pursue a career in veterinary



Doctor of Veterinary Medicine (DVM)  
at the University of Melbourne (UoMelb)



Remarks: students can also choose to study in HKU for 3.5 years, and obtain both degrees in 7.5 years








# HKU BSc + UoMelb DVM

(articulation pathway to Doctor of Veterinary Medicine at the University of Melbourne)



## Eligible majors

-  Biochemistry
-  Molecular Biology & Biotechnology
-  Biological Sciences
-  Food & Nutritional Science
-  Ecology & Biodiversity

## Prerequisite for application

**Gain 186 credits**

upon successful completion of at least 6 semesters



## Scholarship

to cover partial tuition fees of 1<sup>st</sup> year of study at UoMelb

## CGPA Requirement

**≥ 3.45**

## Selection period

Year 3 of the study

## Quota

up to 5 students every year



# HKU BSc + UoMelb DVM

(articulation pathway to Doctor of Veterinary Medicine at the University of Melbourne)



## 6901 BSc

the only  
Doctor of Veterinary  
Medicine articulation  
programme in HK

## UoMelb

QS World University  
Rankings 2019  
by Subject  
– Veterinary Science

**#17**

## After completion

Students will obtain  
international accreditation  
AVBC (Australia),  
AVMA (USA) and RCVS (UK)



Graduates are also qualified to  
register as veterinary surgeons  
and practise in Hong Kong



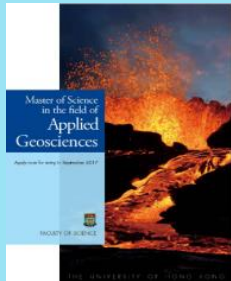


**4 years in 6901 BSc/ 6729 BSc (ActuarSc) plus  
1 year in MSc/MStat or 1.5 years in MDASC  
(articulation pathway to Science Master Programmes at HKU)**

**Guaranteed admission** to the taught postgraduate programmes offered by the Faculty to selected outstanding science students

**TPg Programmes include:**

MSc in the field of  
Applied Geosciences



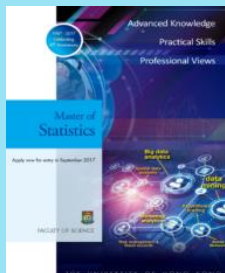
MSc in the field of  
Food Safety and  
Toxicology



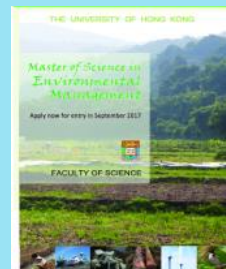
MSc in the field of  
Food Industry:  
Management and  
Marketing



Master of Statistics



MSc in Environmental  
Management



MSc in  
Data Science



**CGPA  
requirement  
(at graduation)  
 $\geq 3.5$**

**Accepts  
applications  
from students  
completing  
Year 3**

Provide a convenient  
channel of specialized  
training for deepening  
knowledge in specific  
fields of science

**Quota**

MSc in Data Science: 2  
No quota for other TPG  
programmes

**Scholarship  
for the TPg study**

Students who are  
awarded the highest  
amount of scholarship  
will only need to pay  
50% of tuition fee



# Plagiarism



# Plagiarism and Academic Honesty



- An academic misdemeanour is a **SERIOUS** disciplinary offence.

The situation is particularly **SEVERE** in course assessment involving submission of report/poster/presentation, where students have been caught copying materials in bulk.



# Plagiarism (cont.)



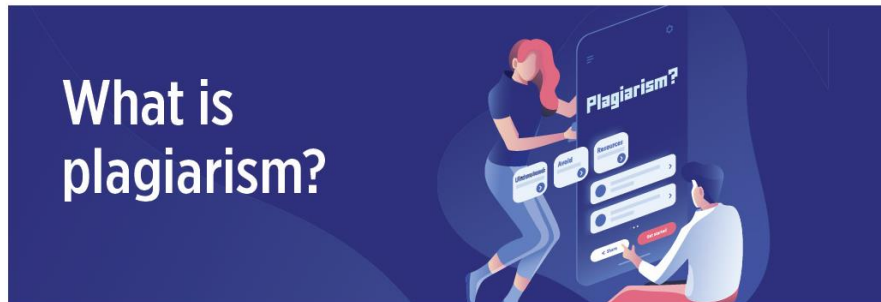
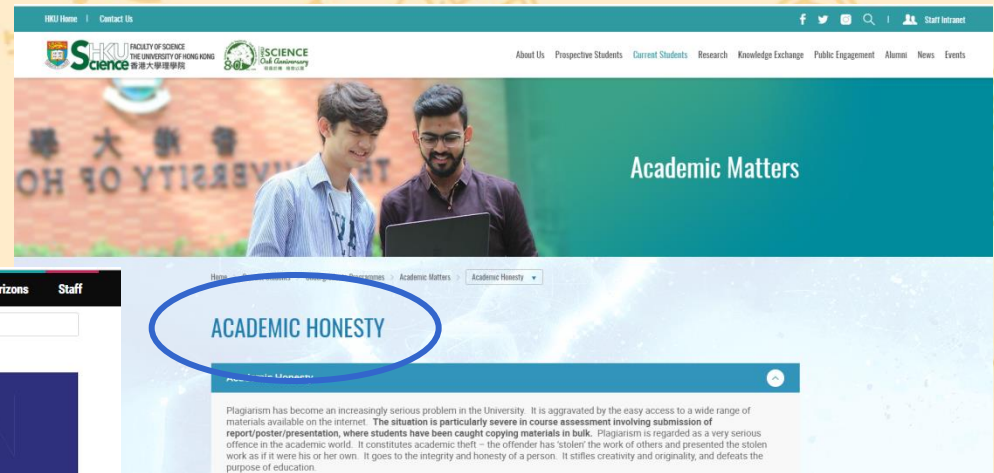
The Faculty **DOES NOT TOLERATE**  
**PLAGIARISM.**

Commitment of **PLAGIARISM** could result in SEVERE  
PENALTY AND DISCIPLINARY ACTION INCLUDING  
**REPRIMAND AND DISCONTINUATION.**



# Plagiarism (cont.)

Details for plagiarism can be found in the Faculty of Science homepage (<https://www.scifac.hku.hk/current/ug/academic/academic-honesty>)



What is plagiarism? Understanding plagiarism Consequences of plagiarism  
How to avoid plagiarism Learning resources Policies and regulations

What is plagiarism?

“What is Plagiarism?”

available at <https://tl.hku.hk/plagiarism/>



*In what situation I would  
be defined as having  
committed plagiarism?*



## **Copying**

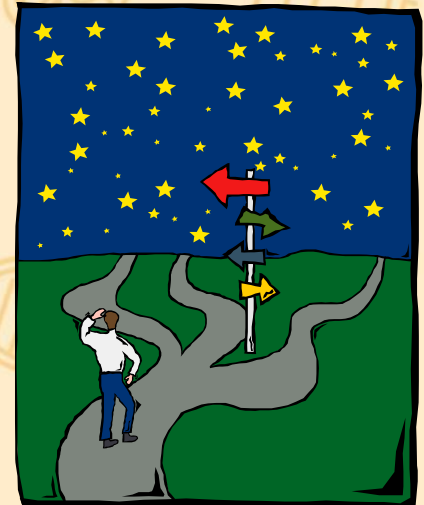
- Text
- Work
- Graphics

A mean of violating  
**Academic Honesty**

from internet, books, or any forms of  
information **WITHOUT** proper  
**paraphrasing or acknowledgement**

**When in doubt, talk to your  
Academic Adviser / Teacher /  
Tutor.**

One should  
not say you  
don't know.....





The background is a light orange color with a repeating pattern of various scientific icons in a darker orange hue. These icons include DNA double helices, atomic models with orbiting electrons, bar charts, line graphs, microscopes, and petri dishes. In the top right corner, there is a decorative graphic consisting of a grid of colored dots in shades of purple, blue, and green, with a vertical line to its left.

# Disciplinary Issues




# Disciplinary Issues



- Besides plagiarism, you should be aware of your **conduct, behaviour** and always **uphold your integrity**.
- **NEVER** attempt cheating, falsification of documents.
- Any disciplinary infringements will be considered by the Disciplinary Committee; ***penalty ranges from reprimand to expulsion from the University depending on the seriousness of the offense.***



The background is a light orange color with a repeating pattern of various scientific icons in a darker orange hue. These icons include DNA double helices, atomic models with electron orbits, bar charts, line graphs, and circular diagrams resembling cell structures or planetary orbits. In the top right corner, there is a decorative graphic consisting of a grid of colored dots in shades of purple, blue, and green, with a vertical line to its left.

# **Inclusive Language in Academic Work**



# Inclusive Language in Academic Work



- Awareness and sensitive to the use of language
  - To generate more thoughtful and respectful use of language
  - To reduce discrimination by promoting a balanced and considerate engagement with social diversity
  - To avoid words and phrases that stereotype, marginalise and demean social groups
- <https://tl.hku.hk/2018/07/use-of-inclusive-language-in-academic-work-a-guideline-for-undergraduate-and-taught-postgraduate-students/>





# Regulations on Discontinuation



# Progression and Discontinuation



- The Faculty stresses the importance of the academic performance of students. Students who do not perform satisfactorily may be recommended for discontinuation of their studies.
- Sc5(h) Candidates shall be recommended for discontinuation of their studies if they have:
  - (i) failed to complete successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where they are not required to take such a number of credits in the two given semesters; or
  - (ii) failed to achieve an average Semester GPA of 1.0 or higher for the two consecutive semesters (not including the summer semester); or
  - (iii) exceeded the maximum period of registration specified in Sc3, unless otherwise permitted by the Board of the Faculty.



# Progression and Discontinuation (cont.)



- **G11 Unsatisfactory performance or progress:**  
A student whose performance at examinations or in coursework or in such class tests as may be held from time to time is unsatisfactory, or in the case of a higher degree student whose progress is unsatisfactory, may be required by the Senate to discontinue his studies.
- Students who are recommended for discontinuation of their studies will be interviewed by the Faculty Review Committee on Student Performance and Discontinuation (FRC) before their cases are considered by the University's Committee on Discontinuation (CoD). The FRC normally meets in January/February and July every year.



# How does the Faculty contact you?



- Mostly by **email** to your **HKU email account**
- Students have the responsibility to check your HKU email account daily and take timely action accordingly
- Always read the **email** sent by the Faculty of Science ([science@hku.hk](mailto:science@hku.hk))

**Please keep the Faculty **updated** of your **contact information** (e.g. telephone, personal email, address) in your SIS account!!!**



# Useful Contact



- **Faculty of Science Office**
  - Address: G/F, Chong Yuet Ming Physics Building
  - Email: [science@hku.hk](mailto:science@hku.hk)
  - Tel.: 3917 2683
  - Website: <https://www.scifac.hku.hk/>
- **Academic Advising Office (AAO)**
  - <http://aao.hku.hk>
- **Academic Support and Examinations Section**
  - <http://www.ase.hku.hk>
- **HKU Worldwide Undergraduate Exchange Programme**
  - <https://aal.hku.hk/studyabroad/>



# Advice and Support from the University

## ✓ Academic Advising Office (AAO)



## ✓ Centre of Development and Resources for Students (CEDARS)

- Counselling & Person Enrichment / Careers & Placement / Campus Life / Student Development



## ✓ University Health Service (UHS)

- Health issues



**University Health Service** 香港大學醫療保健處  
The University of Hong Kong

Go





# Reminder

Please indicate your *intended major* at  
<https://webapp.science.hku.hk/student/IntendMajor.html>

***by August 15, 2019 (Thursday)***



The background is a light orange color with a repeating pattern of various science-related icons in a darker orange. These icons include DNA double helices, atomic models with electrons, bar charts, line graphs, and circular diagrams resembling cell structures or orbits.

***- Thank you -***

***Wish you have a brilliant beginning  
at the Faculty of Science!***