To: Year 2 or above BASc (AppliedAI) Students

Department of Statistics and Actuarial Science, The University of Hong Kong

Notes on Course Selection

for Year 2 or above BASc(AppliedAI) Students (2024-25)

1. A number of existing syllabuses have been modified. Please check the latest syllabuses of your admission year on the Science Faculty's website: https://webapp.science.hku.hk/sr4/servlet/enquiry

(You can click "Check Course Details" and type "APAI", "MATH", "STAT" in the "Course Code" box in order to view the list of all STAT courses)

(Click "Check Science Major / Minor / Programme Structure" for checking the most updated syllabus of your admission year)

For COMP courses' details, please check via Department of Computer Sciences website: https://www.cs.hku.hk/programmes/course-offered

(N.B. Inside the link you can search all COMP courses offered by Department of Computer Science.)

In particular, please note that*: **Tentative, subject to changes*

- APAI4011 Natural language processing will be offered in Semester 1
- Three new courses will be offered:
  - APAI4013 Applied high-performance computing and parallel programming in Semester 2
  - APAI4022 Omics data analysis in Semester 2

Suggested 4-year Curricular Structure and Structure of Courses can be viewed on the Department's website: https://saasweb.hku.hk/current/aai.php

a. **(To Year 2 Students)** The Department has reserved seats in the core course **COMP2120 Computer Organization** subclass A/B (A: Mon 11:30 – 12:20, Thur 10:30 – 12:20; B: Tue 9:30 – 10:20, Fri 9:30 – 11:20) in sem 2 for you. Please enroll in this subclass **at the earliest opportunity, but no later than 8 August 2024; 5pm,** as the seats may be given to other students in the waiting list after the suspension period, given the very high demand for this course. We will NOT be able to retrieve the seats once they are given to other students, whilst seats in other subclasses are NOT reserved/guaranteed.

(To Year 2 and 3 Students) Seats have been reserved in the following COMP courses for BASc(AppliedAI) students:

Students should enroll in the concerned COMP courses ASAP, but no later than 8 August 2024; 5pm. Otherwise, the seats will be given to other students in the waiting list, given the very high demand for their courses and very limited quota of seats. We will NOT be able to retrieve the seats once they are given to other students, whilst seats in other subclasses are NOT reserved/guaranteed.

Please also note that COMP2113 is the **pre-requisite** of COMP2119, make sure you enroll in both courses duly.

COMP1117 Computer programming	Subclass A in Sem 1
COMP2113 Programming Technologies	Subclass C or D in Sem 2
COMP2119 Introduction to data structures and algorithms	Subclass A, B or C in Sem 1
COMP2120 Computer Organization	Subclass A, B in Sem 2
COMP3340 Applied Deep Learning	In Sem 2

b. (To Year 2 or above Students) AI in Neurocognitive Science concentration

Current students should follow the course pre-requisite to enroll into the PSYC courses:-

PSYC2066 Foundations of cognitive science & PSYC2067 Seminars in cognitive science will be offered in alternating years.

PSYC2066 Foundations of cognitive science will not be offered in 2024-25.

PSYC2007 Cognitive psychology & **PSYC2051 Perception** will be offered in 2024-25 semester 1.

c. (To All Students) As one of the graduation requirements, students must fulfill at least one of the five concentrations by completing at least 18 credits of courses prescribed specially for each corresponding concentration. Students may declare concentration(s) in their senior years of study (e.g. year 3 or 4), and are recommended to pursue **(a) AI Technology, and if applicable, supplemented with a second concentration from (b) to (e) <(b) AI in Business and Finance; (c) AI in Medicine; (d) AI in Smart City; (e) AI in Neurocognitive Science>.** Upon graduation, a certification letter confirming the completion of the chosen concentration(s) will be provided for students.

c. (To Year 2 Students) You should take **CAES9821 Professional and Technical Communication for Mathematical Sciences** (admitted in 2018 or thereafter) in your year 2, unless otherwise stated/exempted. The sub-class available for enrolment are **sub-class A in semester 1, sub-classes F, G, H, I, J, K in sem 2**.

d. (To Year 2 Students) You should take **DESN9002 Sustainable Leadership** in your year 2. (admitted in 2022 or thereafter)

e. (To Year 3 Students) You should **take CSCI9001 Practical Chinese for Science Students** in your year 3, unless otherwise stated/exempted.

f. (To Year 2 and 3 Students) Students have to take or already enrolled the co-requisite course STAT3600 Linear statistical analysis before taking STAT3612 Statistical machine learning.

STAT3600 appears in the "List of Other Elective Courses". It is counted towards the fulfillment of the 24-credit requirement.

2. **You should select your core courses/disciplinary electives before the suspension period** (where class balloting will take place and most seats will be given out), especially if the course has a quota.

3. Because of the surge in the number of enrolment requests to STAT2602 in semester 1, 2024-25, **a new sub-class STAT2602-1B (MO 14:30 – 15:20; TH 13:30 – 15:20) has been created** to cater students' needs.
4. **Check the concerned APAI, STAT and non-STAT courses' enrolment status from time to time**, and have a second plan for immediate action (before the system closes) in case of an unsuccessful balloting result, e.g. disapproved enrolment. Although there will be a final class balloting act after the course selection system closes, you will not be able to adjust your course selection until add/drop period.
5. **In case of overloading or uneven course load,** or should you have the even slightest chance of exceeding the maximum course limit or normal semester course load, you should apply for overloading or uneven course load before deadline. *(To students under the Science Faculty: Applications are not accepted during the add/drop period in September, whilst you will not be able to submit applications until the second semester.)*
6. Please be reminded that **APAI4766 Applied AI Internship** are registered via paper, i.e. not through online system, this means the credits will not show in your course selection until a later stage. Enrolment in internship courses may be withdrawn if you do not have the prior approval for taking more than 72 credits in the year, even if you have completed the coursework requirements at the end.
7. UG5E1001 Requirement
   With effect from the academic year 2022-23, undergraduate students who will graduate in 2022-23 and thereafter will be required to complete and pass the non-credit bearing course "UG5E1001 Introduction to the Constitution, the Basic Law and the National Security Law" (prepared by the Faculty of Law). Students do not need to enroll this course during course selection period or add/drop period. You can locate the link of this course in HKU Portal -> "My eLearning" tab. Details:
   Course-related enquiries, please email: UG5E1001@hku.hk
   Student Guide: https://intraweb.hku.hk/reserved_1/sis_student/sis/reference-materials/Students_Guide_to_UG5E1001.pdf
   Academic Advising & Scholarship Office: https://aas.hku.hk/ug-cur/
8. Innovation Wing
   We would like to introduce you all to the Innovation Wing. According to Dr. Chun Kit CHUI, the Director of Tam Wing Fan Innovation Wing, the best way to get access to the Innovation Wing is by joining the Student Interest Group (SIG). SIG organizes recruitment events at the beginning of the academic year, which can be found at: https://innoacademy.engg.hku.hk/sigrecruit/ [innoacademy.engg.hku.hk]
   In addition, the Innovation Wing also welcome students from the Applied AI program to initiate a Student Interest Group (SIG) and form interdisciplinary teams to work on hands-on projects with the students in the Innovation Wing. Details can be found at: https://innowings.engg.hku.hk/sig [innowings.engg.hku.hk]. So far, there is no AI related interest group established and Dr. Chui would be very happy to support all of you to establish some. There are many interest groups looking for AI people to join and this will be a good forum for you to apply what you learned to some interesting projects.
9. Further Information:
   a. Scholarships: https://saasweb.hku.hk/programme/scholarship.php
   b. Internship Programme: https://saasweb.hku.hk/teaching/internship-details.php
   c. Career Advising Programme: https://www.saasweb.hku.hk/current/cap.php
   d. Student Handbook: https://www.scifac.hku.hk/current/ug/useful-resources/handbooks
   e. Academic Advising & Scholarship Office of the Registry: https://aas.hku.hk/
   f. University Bus Service, Estates Office homepage: https://www.estates.hku.hk/shuttle
   g. Announcement from Vice-President (T&L): https://tl.hku.hk/email-announcement-from-vice-president-teaching-and-learning/
   h. Class Schedules, SIS: https://intraweb.hku.hk/reserved_1/sis_student/sis/SIS-class-timetable.html
      (for reference only and subject to changes)
   i. Examination Schedules, Examinations Office: http://www.exam.hku.hk/
   j. Class and Examination Arrangements during Bad Weather: http://www.exam.hku.hk/a2_badweather.php
   k. HKU Virtual Private Network (HKUVPN): https://its.hku.hk/services/network-connectivity/hkuvpn/
   l. ITS Events: https://its.hku.hk/events/

Course Selection Exercise and Procedures for Applying Special Approval for BASc(AppliedAI) Students (2024-25)

On-line course selection system available: 6 August – 12 August (4:00pm), 2024

Suspension period: 7 August 2024 (9:00am – 2:29pm)

Final Course Selection Status Available: 23 August 2024 (10:00am)

All the forms below are downloadable on the Science Faculty's website (click here). Students should double check the details/dates on the Faculty's website. In the event of discrepancies, the ones stated by the Faculty shall prevail. Please also note that **the course schedule and venue may be subject to changes.** You are strongly advised to double check the course schedule and venue on SIS before going to the lectures.

A. Uneven semester course load (outside the range of 24-36 credits) and/or over 72 credits of courses yearly*:

- Fill in the Science Online Application Submission System (OASS) for **Application for Taking Course Load Deviating From Normal Load** with all the required supporting documents attached;
- Submit the application online via OASS for Course Selection Advisors' consideration by **12 August 2024 (4:00pm).**

**Students normally are NOT allowed to take more than (72 credits x 4 years) 288 credits in total.*

B. Timetable clashes and/or failure to meet the pre-requisite requirements of STAT courses[1]

- Fill in the **Course Approval Form** via OASS with the following documents attached:
  - (i) course selection report (list of courses you have selected for the current academic year)
  - (ii) individual timetable
  - (iii) past enrolment records (with results)
- Submit the form SF415 - Course Selection (A. for BASc(AppliedAI)) for Course Selection Adviser's (CSA) consideration.
- Submit the endorsed Email / signed form via OASS for Science or Non Science courses to the Science Faculty by **12 August 2024 (4:00pm).**

C. For enquiries on course selection procedures: Mr. K.L. Ng (ugenq@hku.hk)

D. For advice on course matters, please consult the following CSAs:

- (MATH) Prof. Patrick T.W. Ng in Room 424, 4/F, Run Run Shaw Building (ntw@maths.hku.hk)
- (STAT) Prof. L. Yu (Chief CSA) in Room 226, 2/F, Run Run Shaw Building (lqyu@hku.hk)

Note 1 Pre-requisite Requirements of APAI / STAT Courses:

Please note that any enrolments to courses which are mutually exclusive to their required courses will be seen as a deliberate act. In this regard, there are **NO** any special arrangements for pre-requisite waiver or course replacement, should they fail to enroll into the concerned required courses because of having taken a mutually exclusive course. **This implies that the student will put himself/herself at grave risk from not being able to graduate.** Students are also advised to read the Student Handbook on the Faculty's website (click here) carefully.

9 August 2024

Best regards,

Department of Statistics and Actuarial Science, The University of Hong Kong