Aims and Characteristics

Objectives

The specific aims of this programme are:

(i) To broaden students' studies beyond their major discipline for a solid foundation in applied mathematical techniques for problem-solving.

(ii) To provide students with solid training of applied mathematics, including operational research, risk analysis, statistics and financial computing with emphasis on real-world applications.

Characteristics

The Minor in Applied Mathematics is designed to give students the opportunity to complement their degree with a quantitative / mathematical component. Having a background in mathematics helps demonstrate a student's ability to think critically, logically, and creatively. It also demonstrates student's ability to find patterns, think abstractly, analyze and interpret data, solve problems, and make predictions in a variety of fields. This programme provides formal training in applied mathematics with applications to business, finance, management, social sciences, science and engineering.

Credit transfer for exchange activity

Students should seek approval by submitting the form AR41a and the requirement documents below in person to the General Office of their major department as early as possible and not later than one month before the departure date for the exchange activity:

(a) copy of the approval for participating in the exchange activities issued by your Department/Faculty Office or GEO of the PolyU; and

(b) copies of the syllabus of the subjects to be taken at the exchange institution listed in Section III of the form; and

(c) details of the grading system of the exchange institution.

Approval will be granted based on various factors such as whether the syllabus of the subject in the exchange institution matches the one offered in PolyU. You are strongly advised to consult our Minor Programme Team and the subject lecturer before submitting applications for credit transfer concerning subjects in our programme.

Credit transfer from Major/GUR towards this Minor programme

Subject to approval by AMA, students may count up to 6 credits from their Major (excluding "Free Elective" subjects, if any)/GUR (including LCR subjects, etc) towards this Minor. If the Major subjects taken are the same as the Minor compulsory subjects, students must apply to count these subjects towards the compulsory Minor subject requirements in order to graduate. Please submit the form AR147a in person to the General Office of AMA for approval before your applying for graduation.

Graduation requirement

To complete the programme, students should fulfill 18 credits, including 6 credits core (compulsory) subjects and 12 credits electives, of which at least 9 credits are at level 3 or above.

In addition, if you have enrolled on the AMA Minor programme but intend to graduate with your Major programme only, you have to apply for withdrawal of the AMA Minor programme by sending request to ama.minor@polyu.edu.hk with justifications. The deadline for withdrawal is prior to the end of the add/drop period of the last semester of your study, i.e. the semester that you graduate.

Computer Laboratory

Students in the minor programme can access our Mathematics Laboratories located at M301 and M302 by presenting their student ID cards. The labs have high performance networked PCs equipped with a wide variety of software (e.g. Matlab, Mathematica and Minitab), as well as laser and color printers. For opening hours, click here.

Each student is granted some free printing quota. The students can consult the technicians on site concerning printing quota. Additional quota can be purchased from the AMA general office (TU732).