

The University of Hong Kong
Faculty of Science

Credit Unit Statement

(for Minor Operations Research & Mathematical Programming)

1. Introductory Level Courses

Introductory Disciplinary Courses

The introductory disciplinary courses provide students with the basic knowledge and foundation required to understand the concepts and methodologies of advanced mathematics courses. The courses are lecture based.

(A) Lecture-based courses (6 credits)

Contact hours for 6-credit course: 36 hours of lectures and 12 hours of tutorial/discussion

These courses are taught predominantly by lectures and tutorials. Assessment is by a combination of examination (0-80%) and continuous assessment (20-100%). Continuous assessment tasks include written assignments (totaling no more than 8,000 words) such as essays and project reports, and oral presentations. Details of the assessment tasks can be found in the description of individual courses.

2. Advanced Level Courses

The advanced level courses focus on the ideas, key concepts and applied techniques in operations research, mathematical optimization and modelling, etc. Students will be able to learn knowledge and skills and nourish their ability of quantitative reasoning, logical decision making, critical thinking and analytical argumentation. The courses are lecture based.

(A) Lecture-based courses (6 credits)

Contact hours for 6-credit course: 36 hours of lectures and 12 hours of tutorial/discussion

These courses are taught predominantly by lectures and tutorials. Assessment is by a combination of examination (0-80%) and continuous assessment (20-100%). Continuous assessment tasks include written assignments (totaling no more than 8,000 words) such as essays and project reports, and oral presentations. Details of the assessment tasks can be found in the description of individual courses.