

Knowledge and Information Management:

Business Intelligence & Decision Support	3 units
Web Intelligence & Its Applications	3 units
Database Systems & Administration	3 units
Data Mining & Knowledge Discovery	3 units
Information Retrieval & Knowledge Management	3 units
Advanced Topics in Knowledge & Information Management	3 units

Internet and Web Technologies:

Internet & World Wide Web	3 units
Network Management & Computer Security	3 units
E-Technology Architectures, Tools & Applications	3 units
Multimedia Computing & Communications	3 units
Advanced Topics in Internet & Web Technologies	3 units

Supplementary Subject

(Only for students without programming experience)

Supplementary Programming	0 unit
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M.Sc. Project	3 units
	25 units

Students who have satisfactorily completed all the above requirements and achieve a cumulative GPA of 2.50 or above will be awarded an MSc in Information Technology Management Degree. To be awarded Distinction for the course, students should attain a cumulative GPA of 3.7 or above, with no subject grade below B- and no repeated subjects. Students attaining a cumulative GPA between 3.40 and 3.69 will be awarded Merit.

4.18 Master of Science (MSc) in Operational Research and Business Statistics

(Two-year Part-time)

(The offer of this course is subject to the approval of the University.)

Prof. Michael NG, Course Director, MSc in Operational Research and Business Statistics

This master course is operated by the Department of Mathematics of Hong Kong Baptist University and Kent Business School in United Kingdom.

The University of Kent has an excellent international reputation. Kent Business School has a very strong

faculty in both teaching and research. Their experience and expertise, in particular in the area of business and management would give us the strength in practical, operational and managerial areas. The faculty members in the Department of Mathematics of Hong Kong Baptist University have very strong background in Statistics and Operational Research. Therefore, the launch of this joint MSc in Operational Research and Business Statistics would be an ideal and perfect match and cooperation between two universities.

Students who have satisfactorily completed the course requirements, will get the following two degrees:

- Master of Science in Business Statistics (Hong Kong Baptist University) and
- Master of Science in Operational Research (The University of Kent)

Aims

- (a) To provide an opportunity of further education for working professionals in the field of Operational Research and Business Statistics
- (b) To offer well-motivated individuals a path for career conversion into the field of Operational Research and Business Statistics

Admission Requirements

Applicants should possess:

- (a) a Bachelor's degree or equivalent qualification in Mathematics, Statistics, Computer Science, Physics, Engineering, Business or other related majors; and
- (b) proficiency in Basic Mathematics.

In addition, applicants must satisfy at least one of the following requirements on English language proficiency:

- (i) English as the medium of learning in applicant's Bachelor's degree course;
- (ii) a minimum score of 520 (paper-based test) or 190 (computer-based test) in TOEFL;
- (iii) a minimum score of 6 in International English Language Testing System;
- (iv) Band 6 in the College English Test in China;

- (v) satisfactory results in English proficiency subjects taken in major universities, or
- (vi) equivalent qualifications acceptable to the Course Committee.

Preference will be given to applicants with working experience in industry. Applicants are interviewed to determine their suitability for studying the course.

Structure of the Course

This is a two-year part-time taught master's course leading to the award of Master of Science in Operational Research and Business Statistics. In order to graduate, student must complete 28 credit units plus a dissertation (4 credit units).

Requirements of the course are as follows:

Compulsory Subjects	18 units
Operational Research I	2 units
Techniques of Production Operations Management	2 units
Statistical Software in Business & Management	2 units
Computer Tools for Simulation	2 units
Applied Multivariate Analysis	2 units
Applied Time Series	2 units
Business Statistics	2 units
Operational Research II	2 units
Contemporary Issues in Soft Operational Research	2 units
Elective Subjects	10 units
Data Mining & Knowledge Discovery	2 units
Survey Sampling	2 units
Computational Finance	2 units
Network & Project Management	2 units
Logistics Modeling & Management	2 units
Heuristic & Structured Problems in Operational Research	2 units
Life Contingencies	2 units
Experimental Design	2 units
Dissertation	4 units
Dissertation I	2 units
Dissertation II	2 units
	<hr style="width: 100%; border: 0.5px solid black;"/> 32 units

In the final summer semester, a one-week visit to the University of Kent in U.K. will be arranged for all students. The main purpose of this visit is to provide students opportunities to see some real implementation and application of Operational Research and Business Statistics in actions. Some staff members of the Kent Business School will guide the students to visit several local companies and organizations. The costs of airfare and local expenses in UK will be borne by the students. The accommodation will be organized by the University of Kent.

In exceptional circumstances where a student has difficulties completing the visit, the course management committee can exercise exception for such student.

The degree of Master of Science in Operational Research and Business Statistics shall be awarded to any student who has satisfactorily completed all the basic requirements of the course. To fulfill these, a student shall obtain at least a C- grade for all subjects and for the independent Dissertation, and a cumulative GPA of 2.5 or above. Distinction may be awarded to a student who has attained an overall cumulative GPA of 3.7 or above, with no subject grade below B- and no repeated subjects. Students attaining a cumulative GPA between 3.40 and 3.69 will be awarded Merit.

FACULTY OF SOCIAL SCIENCES

4.19 Master of Education (MEd)
(Two-year Part-time)
Prof. Alex C. W. FUNG, Head, Department of Education Studies

Aims

This is a part-time taught postgraduate course leading to the award of the degree of Master of Education (MEd). The course is designed for educators and professionals who have an interest in the field of, and specialized areas in, education.