

Quantitative Methods in Information Management

Module Code:	OIM4001-A
Academic Year:	2018-19
Credit Rating:	10
School:	School of Management
Subject Area:	Operations and Information Management
FHEQ Level:	FHEQ Level 4
Module Leader:	Dr Jyoti Mishra

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	12
Tutorials	11
Directed Study	75.5
Examinations DO NOT USE	1.5

Availability Periods

Occurrence	Location/Period
ONA	College of Banking and Financial Studies, Oman / Semester 2 (Feb -
MSA	Management Development Institute of Singapore (MDIS) / Full Year
HKA	Resource Development International (RDI), Hong Kong / Full Year (Sept -
IGA	The Institute of Integrated Learning in Management (IILM) (Gurgaon) /
IGA	The Institute of Integrated Learning in Management (IILM) (Gurgaon) /
IMA	The Institute of Integrated Learning in Management (IILM) / Semester 2
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims

To teach students the skills of analysis and the use of mathematical/statistical techniques to enable students to solve problems. The module introduces the need for organisation when trying to solve problems. A paradigm for approaching business problems is developed to enable an understanding of the techniques of measurement and analysis.

Outline Syllabus

Descriptive Statistics: Presentation, Organisation and Analysis of Data.

Concepts of Probability and Probability Distributions.

The Normal Distribution and t Distribution.

Confidence Intervals and Hypothesis Testing.

Linear Regression.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 understand how to tackle business problems using standard analytical methods
- 2 identify the appropriate statistical techniques to apply to certain business information needs or problems
- 3 develop confidence in the use of Statistical and Analytical Techniques.

Learning, Teaching and Assessment Strategy

Knowledge disseminated in lectures supported by student-led seminars and subsequent computer based assessment. Written feedback is given via computer packages and verbal feedback in seminars.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - closed book	closed book computer assessed examination	1.5 hours	70%	Yes
Referral	Examination - closed book	supplementary: closed book computer assessed examination	2 hours	100%	No
Summative	Coursework	individual web- based assignments 1000 words	0 hours	30%	No

Legacy Code (if applicable)

MAN0111M

Reading List

To view Reading List, please go to [rebus:list](#).