

## Decision Support B

|                |                                       |
|----------------|---------------------------------------|
| Module Code:   | OIM6002-A                             |
| Academic Year: | 2018-19                               |
| Credit Rating: | 10                                    |
| School:        | School of Management                  |
| Subject Area:  | Operations and Information Management |
| FHEQ Level:    | FHEQ Level 6                          |
| Module Leader: | Dr Mohammad Abdi                      |

Additional Tutors:

Pre-requisites:

Co-requisites:

### Contact Hours

| Type                    | Hours |
|-------------------------|-------|
| Lectures                | 12    |
| Tutorials               | 3     |
| Laboratory              | 3     |
| Directed Study          | 80.5  |
| Examinations DO NOT USE | 1.5   |

### Availability Periods

| Occurrence | Location/Period                                                        |
|------------|------------------------------------------------------------------------|
| ONA        | College of Banking and Financial Studies, Oman / Semester 2 (Feb -     |
| 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 develop knowledge, understanding and skills in the application of quantitative methods to managerial decision making.

## Outline Syllabus

Block 1: Multiple criteria decision making using Goal Programming and the Analytical Hierarchical Process (AHP).

Block 2: Decision making under uncertainty using Decision Trees and Discrete Simulation Methods.

## Module Learning Outcomes

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

- 1 explain and illustrate selected methods by which quantitative data can be modelled to assist managerial decision making;  
describe some of the common difficulties which are encountered in the decision support process.
- 2 demonstrate ability to analyse decision situations of a complexity appropriate to this module, and to arrive at a recommendation for action.
- 3 select and implement appropriate analytical frameworks for a decision situation provided, and interpret and manipulate the available data.

## Learning, Teaching and Assessment Strategy

Lectures will give new concepts, and practice examples set are intended to reinforce the new ideas and illustrate their relevance. Example classes will provide a forum for the tutor and the students to examine together the practice examples set and try to resolve them in tutorials and computer laboratories, with oral feedback.

## Mode of Assessment

| Type      | Method                       | Description                                  | Length    | Weighting | Final Assess' |
|-----------|------------------------------|----------------------------------------------|-----------|-----------|---------------|
| Summative | Examination<br>- closed book | Examination<br>closed book                   | 1.5 hours | 70%       | Yes           |
| Summative | Coursework                   | Individual Project<br>of up to 1000<br>words | 0 hours   | 30%       | No            |

## Legacy Code (if applicable)

MAN0504M

## Reading List

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