

## Mathematics and Statistics for Accounting (Oman)

|                |                                   |
|----------------|-----------------------------------|
| Module Code:   | AFE3002-B                         |
| Academic Year: | 2018-19                           |
| Credit Rating: | 20                                |
| School:        | School of Management              |
| Subject Area:  | Accounting, Finance and Economics |
| FHEQ Level:    | FHEQ Level 3                      |
| Module Leader: | Ms Shweta Anand                   |

Additional Tutors:

Pre-requisites:

Co-requisites:

### Contact Hours

| Type           | Hours |
|----------------|-------|
| Lectures       | 12    |
| Tutorials      | 24    |
| Directed Study | 164   |

### Availability Periods

| Occurrence | Location/Period                                                    |
|------------|--------------------------------------------------------------------|
| ONA        | College of Banking and Financial Studies, Oman / Semester 2 (Feb - |

### Module Aims

To develop the basic skills of mathematics and statistical analysis needed for accounting.

### Outline Syllabus

Money systems and exchange.

Addition, subtraction, multiplication, division of currency

Data Collection and the Graphical Presentation of Data

Cumulative Frequency Curves

Measures of Location: Arithmetic Mean, Median, Mode, Geometric Mean, Harmonic Mean  
Measures of Dispersion: Range, Mean Deviation, Standard Deviation, Coefficient of Variation, Measures of Skewness  
Correlation & Regression: Coefficient of Correlation, Meaning of Regression, Relationship between Correlation and Regression  
Microsoft Excel

### Module Learning Outcomes

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

- 1 Understand the graphical presentation of statistical information
- 2 Understand statistical measures of location and dispersion and the relationship between correlation and regression
- 3 Apply mathematical techniques to the exchange of currency and to solve problems
- 4 Present statistical data in a graphical form
- 5 Use statistical methods to solve problems

### Learning, Teaching and Assessment Strategy

The main input will be from Lectures with detailed group and individual tutorials to reinforce and practice the skills to be developed.

### Mode of Assessment

| Type      | Method                    | Description                              | Length    | Weighting | Final Assess' |
|-----------|---------------------------|------------------------------------------|-----------|-----------|---------------|
| Summative | Examination - closed book | Examination - Mathematics and statistics | 1.5 hours | 50%       | No            |
| Summative | Examination - closed book | Examination - Statistics  50             |           | 50%       | Yes           |

### Legacy Code (if applicable)

LED0026D

### Reading List

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