

## Masters in Management and Information Technology

### Programme Requirements

*Taught Element, and PG Diploma in Management and Information Technology:*

120 credits:

- 40 credits from: MN5424, MN5461, MN5470, MN5471
- up to 20 further credits from MN5424, MN5461, MN5470, MN5471, or other modules from MN5000 - MN5999 (for exclusions see individual modules)
- IS5101
- remaining credits from IS5102 - IS5150, CS5001 - CS5089, ID5059

#### **MSc:**

120 credits from Taught Element, plus IS5188 or IS5189

#### **MPhil in Information Technology with Management:**

120 credits from Taught Element of Management and Information Technology plus a 40,000-word thesis

*For all Masters degrees there are exit awards available that allow suitably-qualified candidates to receive a Postgraduate Certificate or Postgraduate Diploma.*

### Compulsory module:

IS5101 Masters Core Skills				
<b>SCOTCAT Credits:</b>	15	SCQF Level 11	<b>Semester:</b>	Whole Year
<b>Planned timetable:</b>	To be arranged.			
This module equips students with essential skills for completing an MSc in the School of Computer Science. Topics include: technical writing for Computer Science and Information Technology; use of bibliographic and referencing software; presentation skills; critical analysis of written work; generic research skills including framing research hypotheses, designing and conducting experiments, use of survey tools and gathering, analysing and presenting data; understanding basic statistics; use of project planning techniques; awareness of professional and ethical issues in research activities; carrying out a literature review; and awareness of what constitutes academic misconduct. Skills in these areas are reinforced through practical assignments.				
<b>Programme module type:</b>	Compulsory for all Postgraduate Programmes except Erasmus Mundus Dependable Software Systems.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Lectures, seminars, tutorials and practical classes.			
<b>Assessment pattern:</b>	Coursework = 100%			
<b>Module Co-ordinator:</b>	masters-coord-cs@st-andrews.ac.uk			

Compulsory Module for MSc:

EITHER

IS5188 Group Project and Dissertation in Management and Information Technology				
<b>SCOTCAT Credits:</b>	60	SCQF Level 11	<b>Semester:</b>	Summer
<b>Planned timetable:</b>	To be arranged.			
<p>This module is a group-based MSc project on an approved topic in Management and Information Technology which shows appropriate competences in both fields. It results in a dissertation of no more than 15,000 words. Typically the dissertation comprises a review of related work, the extension of old or development of new ideas, an account of how Information Technology was used in the project, critical analyses and evaluation of the findings. The dissertation may also include an agreed collaboratively-written group report. Each student is individually assessed, taking into account both individual and group submissions. Students are required to give a presentation of their work.</p>				
<b>Programme module type:</b>	Either IS5188 or IS5189 is compulsory for Management and Information Technology MSc Postgraduate Programme.			
<b>Pre-requisite(s):</b>	Admission to dissertation phase of MSc and permission of the Head of School			
<b>Anti-requisite(s):</b>	IS5189			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Meetings with supervisor.			
<b>Assessment pattern:</b>	Coursework = 100%			
<b>Module Co-ordinator:</b>	masters-is-coord-cs@st-andrews.ac.uk			

OR

IS5189 Dissertation in Management and Information Technology				
<b>SCOTCAT Credits:</b>	60	SCQF Level 11	<b>Semester:</b>	Summer
<p>This module is an individually supervised MSc project on an approved topic in Management and Information Technology which shows appropriate competences in both fields. The project results in a dissertation of no more than 15,000 words. Typically the dissertation comprises a review of related work, the extension of old or development of new ideas, an account of how Information Technology was used in the project, critical analyses and evaluation of the findings. Students are required to give a presentation of their work.</p>				
<b>Programme module type:</b>	Either IS5188 or IS5189 is compulsory for Management and Information Technology MSc Postgraduate Programme.			
<b>Pre-requisite(s):</b>	Admission to dissertation phase of MSc and the consent of the Head of School			
<b>Anti-requisite(s):</b>	IS5188			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Meeting with supervisor.			
<b>Assessment pattern:</b>	Coursework (Dissertation) = 100%			
<b>Module Co-ordinator:</b>	masters-is-coord-cs@st-andrews.ac.uk			

Compulsory modules - 2 of MN5424, MN4261, MN5470, MN5471:

MN5424 Corporate Finance and Accounting				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Not available as an optional module for any programme.			
<b>Planned timetable:</b>	To be arranged.			
<p>The module will introduce students to the basic principles and practices of accounting and corporate finance. The first half of the module will concentrate on teaching students financial accounting and reporting via the accounting equation method; this will enable students to become familiar with accounting techniques and develop an understanding of financial statements and methods employed in their creation. The second half of the module will introduce corporate finance concepts such as capital structure, the CAPM, and investment appraisal techniques. The module will employ case studies to highlight to students how these principles are employed within industry; the case studies will be based in an international setting.</p>				
<b>Programme module type:</b>	Compulsory for Management Postgraduate Programme. Optional for Management and Information Technology Postgraduate Programme.			
<b>Anti-requisite(s):</b>	MN5422			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Lectures and seminars.			
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr L Nguyen			
<b>Lecturer(s)/Tutor(s):</b>	Dr L Nguyen and Ms L Stevenson			

MN5461 Strategic Management				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	1
<b>Planned timetable:</b>	To be arranged.			
<p>Over the last three decades one of the most significant global trends has been the rapid technical development of information technology and the parallel intensification in the commercial and administrative use of this technology by organisations. In this context this module will develop students' knowledge and understanding of the strategy process and develop an appreciation of organisational responses to the rapidly changing global economy. In addition to this, the module will develop a critical understanding of the challenges of operating in the information age and will also develop awareness of the range of approaches to organisational strategy; its purpose and the process of aligning corporate strategy with operational strategies in the knowledge economy. The module will challenge students to evaluate organisational processes, including marketing and promotion, logistics and supply chain management, in a rigorous manner and develop an understanding as to how organisational resources can be harnessed to respond to the organisational challenges of operating in an age of rapidly and easily accessible information.</p>				
<b>Programme module type:</b>	Compulsory for the Management Postgraduate Programme. Optional for Management and Information Technology Postgraduate Programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2-hour lecture and a 1-hour seminar.			
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Mr S Wilson			
<b>Lecturer(s)/Tutor(s):</b>	Mr S Wilson			

## MSc Management and Information Technology - 2016/7 - August 2016

MN5470 Managing Human Resources				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	2
<b>Availability restrictions:</b>	Not available as an optional module for any programme.			
<b>Planned timetable:</b>	To be arranged.			
This module reviews the key theoretical and practical aspects involved in managing human resources. The module content covers both the strategic and operational requirements necessary to secure, develop, reward and retain employees and to ensure their maximum contribution to organisational performance requirements. Individual, organisational and contextual factors that influence the management of people are also considered and throughout there is an emphasis on the critical, analytical and evaluative study of the subject.				
<b>Programme module type:</b>	Compulsory for Management and Human Resource Management Postgraduate Programmes. Optional for Management and Information Technology Postgraduate Programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Lectures and seminars.			
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr A Baluch, Mr M J Dowling			
<b>Lecturer(s)/Tutor(s):</b>	Dr A Baluch, Mr M J Dowling, Dr A Timming			

MN5471 Marketing: Principles and Practice				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	1
<b>Availability restrictions:</b>	Not available as an optional module for any programme.			
<b>Planned timetable:</b>	To be arranged.			
Marketing is a pervasive social phenomenon, influencing our perceptions and behaviours. We are all in daily contact with the marketing activities of firms, governments and a range of other organisation sand we have all observed and experienced aspects of marketing practice throughout our daily lives. Adopting primarily a managerial perspective, this module will offer a critical review of current theory and practice and look at how marketing is evolving in light of changes to the business context. This module will introduce students to the nature and scope of marketing and its role in society. The importance of identifying, understanding and satisfying customers will be highlighted and approaches to segmenting markets and identifying target market swill be reviewed. Marketing activities will be considered within the context of the marketing mix and other managerially-determined variables. The importance of marketing research and the associated processes will be discussed.				
<b>Programme module type:</b>	Compulsory for Management Postgraduate Programme. Optional for Management and Information Technology Postgraduate Programme.			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> Lectures and tutorials.			
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Mr W Barlow			
<b>Lecturer(s)/Tutor(s):</b>	Mr W Barlow			

Optional modules are available -  
see the pdf online called '[PG Computer Science - optional modules 2016 - 2017.](#)'

And the pdf online called [Management - optional modules 2016 - 2017](#)