Course Planning – Health Specialisation - Semester 1 Start

This document outlines the preferred course plan for the MIS Professional Specialisation. This specialisation is normally undertaken across 4 semesters (2 years) on a full time basis or 8 semesters (4 years) on a part time basis. Part time students should do no more than 2 subjects per semester. On application, students may apply for credit exemptions based on their background as specified in the MC-IS handbook entry [https://handbook.unimelb.edu.au/2018/courses/mc-is/entry-participation-requirements](https://handbook.unimelb.edu.au/2018/courses/mc-is/entry-participation-requirements). All credit exemptions must be processed by the end of the second week of your 1st semester.

There are 16 subjects of study:

- **Foundation Core**: 4 compulsory foundation subjects
- **Lower Core**: 4 compulsory subjects
- **Upper Core**: 4 compulsory subjects

Your course should progress through the foundation core subjects before you undertake the lower core subjects over the 1st year of your study. In your 3rd semester you should undertake 3 upper core subjects and an elective. In your final semester you should complete 1 upper core subject, 1 elective and the capstone subject.

**NOTES:**

* Students who have an average of 75% or more may be allowed to undertake the following alternative capstones:
  - ENGR90033 Industry Based Learning (health project) OR
  - Both of ISYS90109 Information Systems Min Res Project Pt 1 and ISYS90110 Information Systems Min Res Project Pt 2

<table>
<thead>
<tr>
<th>Semester</th>
<th>Level</th>
<th>Subject</th>
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<tbody>
<tr>
<td>1 (full time)</td>
<td>Foundation Core</td>
<td>INFO90002 Database Systems &amp; Information Modelling</td>
<td></td>
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<tr>
<td>1 &amp; 2 (part time)</td>
<td>Foundation Core</td>
<td>ISYS90026 Fundamentals of Information Systems OR ISYS90081 Business Process Management</td>
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<td>1 &amp; 2 (part time)</td>
<td>Foundation Core</td>
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<td>Foundation Core</td>
<td>COMP90059 Introduction to Programming</td>
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<td>ISYS90050 IT Project and Change Management</td>
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<td>2 &amp; 3 (part time)</td>
<td>Lower Core</td>
<td>ISYS90049 Digital Business Analysis</td>
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<td>2 &amp; 3 (part time)</td>
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<td>INFO90001 eHealth &amp; Biomedical Informatics Methods</td>
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<td>ISYS90043 Enterprise Applications &amp; Architectures</td>
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<td>Upper Core</td>
<td>ISYS90076 IT Infrastructure for eHealth</td>
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<td>ISYS90077 eHealth Applications and Solutions</td>
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<tr>
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<td>ISYS90038 IS Strategy and Governance</td>
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<tr>
<td>7 &amp; 8 (part time)</td>
<td>Capstone (25 pts)</td>
<td>*ISYS90079 Health IT Project (this is the default)</td>
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Students showing past expertise in foundation and lower core subjects may be able to replace them with ISYS / INFO9xxxx electives. For instance,

- If you have already studied database then INFO90002 will be replaced by an ISYS / INFO9xxxx elective in your course.

All exemptions are assessed in the application process. If you haven’t been given exemptions to subjects that you think you should have been, send an email (including your degree transcripts AND STUDENT ID) to [MIS-HELP@unimelb.edu.au](mailto:MIS-HELP@unimelb.edu.au), stating exactly what you require.

Feb 2020
Course Planning – Health Specialisation – Semester 2 Start

This document outlines the preferred course plan for the MIS Professional Specialisation. This specialisation is normally undertaken across 4 semesters (2 years) on a full time basis or 8 semesters (4 years) on a part time basis. Part time students should do no more than 2 subjects per semester. On application, students may apply for credit exemptions based on their background as specified in the MC-IS handbook entry https://handbook.unimelb.edu.au/2018/courses/mc-is/entry-participation-requirements. All credit exemptions must be processed by the end of the second week of your 1st semester.

There are 16 subjects of study:

**Foundation Core**: 4 compulsory foundation subjects
- INFO90002 Database Systems & Information Modelling
- COMP90059 Introduction to Programming

**Lower Core**: 4 compulsory subjects
- ISYS90050 IT Project and Change Management
- ISYS90069 eHealth & Biomedical Informatics Systems
- ISYS90049 Digital Business Analysis
- ISYS90076 IT Infrastructure for eHealth
- ISYS90078 Health Data, Information and Knowledge

**Upper Core**: 4 compulsory subjects
- ISYS90038 IS Strategy and Governance
- ISYS90043 Enterprise Applications & Architectures
- ISYS90001 eHealth & Biomedical Informatics Methods
- ISYS90078 Health Data, Information and Knowledge
- Elective – choose ONE
- Upper Core
- Elective – choose ONE

**Capstone**: 1 capstone (25 point) subject
- *ISYS90079 Health IT Project (this is the default)

**Electives**: 2 subjects of your choice

* Students who have an average of 75% or more may be allowed to undertake the following alternative capstones:
  - ENGR90033 Industry Based Learning (health project) OR
  - Both of
    - ISYS90109 Information Systems Min Res Project Pt 1
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Feb 2020
DISCIPLINE ELECTIVES  50 points

Students would normally select two subjects from the list of electives. Students may also study electives from elsewhere in the University and if interested they should discuss this with the MIS coordinator.

**MIS Core Subjects**
- ISYS90081 Business Process Management
- ISYS90045 Professional IS Consulting
- ISYS90032 Emerging Technologies and Issues
- ISYS90051 Impact of Digitisation

**IS Project & Change Management**
- ISYS90040 Managing Change for IS Professionals

**IT Service Provision**
- ISYS90034 B2B Electronic Commerce
- ISYS90036 Enterprise Systems
- ISYS90055 Managing IT Outsourcing
- ISYS90070 Information Security Consulting

**Business Analytics**
- ISYS90086 Data Warehousing
- MGMT90141 Business Analysis & Decision Making
- COMP90049 Knowledge Technologies
- MAST90044 Thinking and Reasoning with Data

**IT Innovation**
- ISYS90035 Knowledge Management Systems
- ISYS90039 Innovation & Entrepreneurship in IT
- ISYS90087 Service Management and Innovation (rested)

**Business Process Management**
- ISYS90112 Business Process Modelling & Analysis

**Advanced Information Systems Electives**
Students who have a weighted average mark of at least 75% and have completed 75 points in the MIS may be able to complete these on-line advanced electives.
- ISYS90089 Strategic Change Leadership
- ISYS90090 Cyber Security Management
- ISYS90092 Outsourcing and Contracting
- ISYS90093 Technopreneurship and Innovation
- ISYS90094 Business Analytics and Decision Making
- ISYS90097 Information Economy and Society

**Interaction Design**
- INFO90004 Evaluating the User Experience
- INFO90003 Designing Novel Interactions
- INFO90006 Fieldwork for Design
- INFO90007 Social Computing

**Health**
- POPH90263 Technology and Ageing
- BINF90002 Elements of Bioinformatics
- LAWS70421 Health Law and Emerging Technologies1
- POPH90013 Biostatistics
- POPH90294 Consumer Participatory Health Technology

**Technical Computing**
Students can take any subject from the MIT (COMP9xxxx/ SWEN9xxxx) offerings as long as they have the prerequisite knowledge. Student need to email MIS-HELP with their request. For a list of subjects. See https://handbook.unimelb.edu.au/courses/MC-IT

**Spatial**
- GEOM90008 Foundations of Spatial Information
- GEOM90007 Information Visualisation
- GEOM90015 Spatial Data Infrastructure
- GEOM90018 Spatial Databases

**General Management**
- MGMT90140 Management Competencies
- MKTG90037 Managing for Value Creation
- MGMT90111 Management and Business Communication
- MGMT90018 Managerial Psychology
- ECON90015 Managerial Economics

**Accounting & Finance**
- ACCT90004 Accounting for Decision Making
- ACCT90009 Strategic Cost Management
- BISY90009 Managing Information Technology
- ACCT90012 Corporate Reporting

**Operations & Marketing**
- MKTG90032 Operations & Process Management
- MKTG90017 Digital Business and Marketing
- MKTG90007 Service Marketing
- MKTG90004 Marketing Management
- MKTG90008 Consumer Behaviour

**People Management**
- IBUS90004 Cross Cultural management & Teamwork
- MGMT90011 Managing Stakeholders