Master of Information Systems – Health Specialisation
Course Coordinator: Dr Sean Maynard (MIS-HELP@unimelb.edu.au)
Specialisation Coordinator: Dr Kathleen Gray (MIS-HELP@unimelb.edu.au)
https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/study-guide/

Course Planning – Health Specialisation - Semester 1 Start

This document outlines the preferred course plan for the MIS Professional Specialisation. This specialization 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

**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
    o ISYS90109 Information Systems Min Res Project Pt 1
    o ISYS90110 Information Systems Min Res Project Pt 2

<table>
<thead>
<tr>
<th>Semester</th>
<th>Level</th>
<th>Subject</th>
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<td>1 (full time)</td>
<td><strong>Foundation Core</strong></td>
<td>INFO90002 Database Systems &amp; Information Modelling</td>
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<tr>
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* If you have already studied database then INFO90002 will be replaced by an ISYS / INFO9xxxx elective in your course.

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Feb 2020
### Course Planning – Health Specialisation – Semester 2 Start (JULY)

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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
- MGMT90248 Analytics and Society (online)
- MAST90044 Thinking and Reasoning with Data
- MGMT90141 Business Analysis & Decision Making
- COMP90075 Text Analytics (online)
- COMP90076 Social Analytics (online)
- MAST90131 Measurement Analytics (online)
- MAST90135 Foundations of Analytics (online)
- MAST90134 Advanced Elements of Analytics (online)
- GEOM90007 Information Visualisation

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

**Business Process Management**
- ISYS90112 Business Process Analytics

**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

**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**
- MGMT90032 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