Meet Your Course Coordinator

Master of Information Systems

For future leaders in IT Management & Business

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Welcome to Melbourne (the University of)
Information Systems is the study of the interaction between technology and people. It uses hardware and software as tools to solve social and business problems.

**Technical Knowledge**
- databases, programming, etc

**Management Knowledge**
- managing change, knowledge management, data management and analytics, project and change management, etc

**Business Knowledge**
- business process management, etc
Database & Systems Administrators & ICT Security

Database and Systems Administrators, and ICT Security Specialists plan, develop, maintain, manage and administer organisations’ database management systems, operating systems and security policies and procedures to ensure optimal database and system integrity, security, backup, reliability and performance.

- Avg. Weekly Pay: $1,693 Before Tax
- Future Growth: strong
- Skill Level: Bachelor Degree or higher

ICT Business and Systems Analysts

ICT Business and Systems Analysts work with users to formulate system requirements, develop system plans and documentation, review and evaluate existing systems, and design and modify systems to meet users’ business needs.

- Avg. Weekly Pay: $1,819 Before Tax
- Future Growth: moderate
- Skill Level: Bachelor Degree or higher

ICT Managers

ICT Managers plan, organise, direct, control and coordinate the acquisition, development, maintenance and use of computer and telecommunication systems within organisations.

- Avg. Weekly Pay: $2,105 Before Tax
- Future Growth: very strong
- Skill Level: Bachelor Degree or higher
Our partners have *shaped* our programs in areas of high demand.
The School of Computing and Information Systems is an international research leader in computer science, information systems and software engineering. We are focused on delivering impact in the following key areas.

**RESEARCH GROUPS**

**Artificial Intelligence**
Artificial intelligence research is a particular strength in the School of Computing and Information Systems.

**Computer science**
Current areas of excellence include programming languages, algorithms, distributed computing, and cybersecurity and cryptology.

**Information systems**
The study of the interplay between information technology, its users (people), and the operations (business processes) through which this technology is used.

**Interaction design**
What influences our experience of information and communication technology? How might we ensure that information technology is usable, useful and satisfying to use? We explore these questions by studying the design and use of digital technologies by people.
MSE Welcome Celebration –
Engineering Student Lounge, Old Engineering Building 4:15-6:00  TODAY
Light refreshments
What’s life the MIS?

What my friends think I do

What my SO thinks I do

What the society thinks I do

What my parents think I do

What I think I do

What I actually do
Life in the MIS

Lots of students
• MIS, MIT, other Masters courses

MIS Classes
• What are MIS classes like?
• When are MIS classes taught?
  – Weekly classes (Day / Evening), Block Mode classes
• Academic Staff, supported by industry
• Lectures / Seminars / Tutorials / Labs
• Group work – Your employers expect it!
• What is expected of you?
Studying in Australia: Study Differences

Some differences you may find in Australia:
• More unscheduled class time than at home
• Self-directed learning & less individual attention from lecturers
• More active discussion in tutorials
• Academics expect a more argumentative and less descriptive style of writing for essays and exams
• A different approach to grading assignments

The marking system was a bit difficult to adjust to.
It’s quite difficult to get that H1 (80+), they’re much rarer here.

Fredrik, Germany
Examinations

Important Reminder

• It is expected that all students remain in Melbourne for the ENTIRE examination period and ideally until the release of results. (Semester 2 2019 - Friday 4 December 2019)
• You must not book flights for departure during the exam period.
• Staff don’t know when the exam is until you get told.
• The exam timetable CANNOT be changed.
  – Not for Students
  – Not even for Staff
  – NO EXCEPTIONS!
# Marks!

The University uses the following marks scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mark</th>
<th>Normal % students</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>80% +</td>
<td>Up to 20% (many subjects don’t exceed 10% historically)</td>
</tr>
<tr>
<td>H2A</td>
<td>75% +</td>
<td></td>
</tr>
<tr>
<td>H2B</td>
<td>70% +</td>
<td>About 65-75% of students get grades above the H3 range</td>
</tr>
<tr>
<td>H3</td>
<td>65% +</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>50%+</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>&lt;50%</td>
<td>Usually 10% fail (less in Postgraduate)</td>
</tr>
</tbody>
</table>

**Other Strange Grades you might see**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>49 NH</td>
<td>This means you failed one of the subject hurdles</td>
</tr>
<tr>
<td>WAF</td>
<td>The mark isn’t ready yet – its withheld</td>
</tr>
<tr>
<td>CNT</td>
<td>The subject goes across more than one semester and thus there isn’t a mark yet – its continuing</td>
</tr>
</tbody>
</table>
Academic Integrity

Rich tradition

- The University of Melbourne expects the highest ethical standards from its students and staff in all areas of their academic work and professional behaviour. The work of each individual reflects on the academic and professional standing of the University as an institution that upholds ethical practice in research, learning, and teaching. Academic work submitted for assessment or publication must be the original work of the author or authors. If the ideas or words of others have been drawn upon, this must be thoroughly and clearly acknowledged using agreed scholarly conventions (Prof Richard James)

http://academichonesty.unimelb.edu.au/

A guide for how to reference sources in your reports is provided at
http://www.lib.unimelb.edu.au/cite/
Most common forms of academic misconduct

• Copying and pasting from web sites or other published material, even if referenced (but not quoted)
• Same as 1) but then substituting some synonyms in the belief that it is paraphrasing
• Copying images and tables without acknowledgment
• Copying words, analysis, structure or style from other students (often from previous years)
• Using computer code from others without acknowledgment
• “Signing in” for other students where attendance is mandatory
• Not turning off mobile phones in exams
• Using Fake Medical Certificates
Easiest ways to avoid academic misconduct

- Compose the argument yourself, rather than modifying someone else’s.
- Develop and set out analysis yourself.
- Learn the fine detail of how to properly reference the work of others.
- Learn how to read a ‘Turn It In’ report so you can check a team mates work.
- Use a reference manager (EndNote or Mendeley)
- Decide whether you want to learn and maintain your self respect and values
Academic Integrity in 2018 for MIS

• About 50 allegations of academic misconduct
• Many of these were cases of exam misconduct
  – Not putting pens down when told to or writing in reading time
  – Penalties ranged from educative exercises to 0 marks on the exam (fail)
• On non exam issues (around 30),
  – 2 found not guilty
  – 9 given substantial penalties (zero for subject or zero for the assignment)
  – Interesting case of copying work between semesters
  – 18 received reprimands and underwent educative exercises
  – 1 person was removed from the course
Using FAKE medical certificates

In Australia you MUST see a doctor to get a Medical Certificate

Fake Medical Certificates... not a big deal, right?

Everyone struggles at the end of semester. Sometimes the stress to meet deadlines or the pressure of sitting exams becomes too difficult for some students.

In the past, this has led students to forge or falsify medical documents and certificates (or purchase falsified documents online) in order to obtain special consideration. While this may not seem particularly serious, it definitely is.

**DO NOT, under any circumstances, forge or falsify medical documents or HPR forms in order to obtain special consideration.**
Falsifying documents is considered fraud and treated far more severely than other academic misconduct such as plagiarism. If you are caught falsifying medical documents for ANY REASON you are likely to have your enrolment terminated.

At the Advocacy Service we can help you with many things, but unfortunately if you are caught with falsified documents we are extremely limited in what we can achieve. Come and see us BEFORE things get too desperate so that we can help you apply for special consideration or explore other options that might be available to you.

Here are some videos we made a few years ago – **English, Mandarin, and Indonesian.** Tell your friends, spread the word. DO NOT USE FAKE DOCUMENTS. EVER.

Find out more about misconduct. If you need to, contact us here.

https://umsu.unimelb.edu.au/fake-med-cert/
• An online training module is available on the Learning Management System (LMS) for academic integrity

• ALL STUDENTS MUST COMPLETE THIS TRAINING PRIOR TO THE SEMESTER STARTING. IN SOME SUBJECTS MARKS WILL NOT BE RELEASED UNTIL YOU COMPLETE THE TRAINING

• I’ll show you when we get to the LMS in a few slides
LMS Community COM_01074
Library Research Skills for Engineering & IT

- Self-paced.
- Basic and Advanced materials.
- Relate skills to your own research area.
- Access using the LMS Communities tab:
  - COM_01074 is probably already listed.
  - OR
  - Click on ‘self enrol’ if COM_01074 is not listed.
• Students in the Melbourne School of Engineering have access to an online resource to support you in developing and improving your library research skills.

• The LMS Community “Library Research Skills for Engineering & IT” was developed by MSE and the University Library. It covers a broad range of topics that you can apply while carrying out your own research project.

• Access to the community is via the LMS: For many MSE students, the community us already listed in the Communities tab in the LMS. Just click and explore!

• If the community is not listed on your LMS page, click on “self-enrol” in the Communities tab and follow the prompts. The Community ID number is COM_01074.

• Any problems with access, or suggestions for improving the resource, please email Peta Humphreys, the Chief Engineering and Science Librarian, phump@unimelb.edu.au.
The LMS

• Currently we use Blackboard
• From 2020 we are moving to CANVAS for ALL subjects
• You may find that some of your subjects will use CANVAS in Semester 2 as a trial
Christmas (Holiday) Shutdown

Posted on: Tuesday, 18 December 2018 2:58:24 PM AEDT

Dear Students

The time has come to have ourselves a well-earned holiday after another big year. As you should be aware, the University is officially closed between Monday 24th December 2018 and re-opens on Wednesday 2nd January 2019.

The University closes at 12pm on Monday 24th December 2018. You will be asked to leave the premises by this time.

Your access cards will not allow you access to Engineering buildings between 12pm Monday 24th December 2018 and Wednesday 2nd January 2019.

The University re-opens at 8am on Wednesday 2nd January 2019.

We wish you a Merry Christmas and Happy New Year. See you in 2019.

MSE Facilities Office

You should get access to the community over the next few days (I hope).
Every subject will have links to this Academic Integrity Page, and you must complete this!
Your student services online, on the phone and in person

Find all of your Uni info online
students.unimelb
Comprehensive website for current students at Melbourne

Check our FAQs or ask online
ask.unimelb
University’s knowledge database
Join a chat

Call us Monday to Friday
13 MELB (13 6352)
Outside Australia: +61 3 9035 5511

Visit us Monday to Friday

Stop 1 at PARKVILLE
All students
757 Swanston Street
(Main entrance off Grattan Street)

Stop 1 at SOUTHBANK
VCA and MCM students only
234 St Kilda Road, Southbank
(Elisabeth Murdoch Building)

Health and Wellbeing services
All students
138 Cardigan Street, Carlton

Current opening hours: students.unimelb.edu.au/stop1
STOP Offers a range of services to help you succeed

ADMISSIONS INFORMATION
- Our courses
- Entry requirements
- Single subject studies
- Extension program

ADMINISTRATIVE AND INFORMATION SERVICES
- Fees
- Transcripts and academic statements
- Scholarships and graduations

ENROLMENT SERVICES
- Course planning
- Enrolment assistance
- Special consideration
- Student equity

SKILLS AND DEVELOPMENT SERVICES
- Careers
- Academic skills
- Student connect
- Study abroad and exchange

SUPPORT SERVICES
- Disability
- Elite athletes and international student support
- Housing
- Financial aid
- Safer Community Program

Ask online or check our FAQs
ask.unimelb.edu.au

Call us
13 MELB (13 6352)

PARKVILLE
SOUTHBANK
757 Swanston Street
234-St Kilda Road (VCA and MCM students only)
If you need ongoing assistance due to long-term circumstances, you can register with Student Equity and Disability Support.

We offer a range of support services:

- Alternative formats for written materials
- Support workers, such as note-takers
- Specialist equipment
- Assistive technology
- Accessible teaching spaces

Visit services.unimelb.edu.au/disability/students
Course Planning and Enrolment help

You can get course advice at any time from a Student Advisor at Stop 1. They can assist you to make informed decisions about:

- Subject selection
- Majors, minors and specialisations
- Study pathways
- Study Abroad and Exchange

Read our course planning page to get you started.

Access course planning resources
students.unimelb.edu.au/admin/course-planning/resources
FOLLOW US FOR THE LATEST UPDATES:

@uomstop1

FIND US ON FACEBOOK:

uomstop1

firstyearatunimelb
Ongoing or episodic circumstances

As a student, you may have ongoing or episodic circumstances that adversely affect your academic performance. These could include:

<table>
<thead>
<tr>
<th>Example circumstances</th>
<th>Example study adjustments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic illness</td>
<td>Leave of absence</td>
</tr>
<tr>
<td>Disability</td>
<td>Reduced study load</td>
</tr>
<tr>
<td>Students with carer status</td>
<td>Alternative exam arrangements</td>
</tr>
<tr>
<td>Elite athletes or performers</td>
<td>Support, such as note-takers</td>
</tr>
<tr>
<td>Army Reservists</td>
<td>Specialist equipment/technology</td>
</tr>
</tbody>
</table>

If you have ongoing circumstances that may affect your studies, find out how to register for assistance at students.unimelb.edu.au/admin/special
Getting the Most out of your Uni Melb CIS Experience
### Getting the Most out of your Uni Melb CIS Experience

**MSE Experience**
- **Professional Skills Series**: eg. Data Informed Careers – where are the jobs?, LinkedIn Photo day, Peer Student Panel on securing Internships
- **Industry Series, Wellbeing Series**
  - MSEExpress emailed to you fortnightly on Tuesdays

**CIS Workshop Series**
- **The Australian ICT industry – understanding which jobs to apply for** (6/8/19, 12.30 – 1.30pm)
- **The International student guide to the Australian ICT industry** (27/8/19, 12.30 – 1.30pm)
- **Do you have IT experience already? How to break into the Australian ICT industry** (10/9/19, 5.30pm – 7.30pm)

**Student Clubs**
- **CIS Student Association (CISSA)**: IMC Tech Talk, Optiver, Microsoft, Various social events
- **Women in IT (WIT)**: Various industry networking events and professional skills events
- **MIS Grad Association (MISGA)**: Woodside Energy Event, MIS students networking events

**University Wide**
- **Focus on China Week in September**
- **Internships Fair**: (Including international Internships – see briefings from MSE as well)
- **Employability Week**
- **Numerous Resources**: EmployMe and Careers Online for jobs, resume and interviews.
Join us. It’s Free!
facebook.com/cissa.unimelb

SCAN TO SIGN UP

Sponsored By

- Pizza Lunches
- Industry Networking Night
- Tech Workshops
- Career Test

http://cissa.org.au/
Going on Exchange / Study Abroad for some of your MIS degree

- [https://students.unimelb.edu.au/study-overseas](https://students.unimelb.edu.au/study-overseas)

- Usually its easiest to use your ELECTIVES for exchange.
  - Most of the UPPER core can not be used and SOME of the lower core

- Where do our students go
  - Germany - Muenster
  - USA – Boston, Texas, UCLA
  - Japan
  - UK
Master of Information Systems students complete a total of 200 points.

- Professional, Health or Research Specialisation. Students take one specialisation.
- Students with relevant work experience may be eligible to receive advanced standing
- MIS research specialisation only available to students who have received 37.5 points or less of advanced standing
## Course Structure – MIS Professional

<table>
<thead>
<tr>
<th>Foundation Core</th>
<th>ISYS90026</th>
<th>ISYS90081</th>
<th>INFO90002</th>
<th>COMP90059</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Lower Core</th>
<th>ISYS90048</th>
<th>ISYS90049</th>
<th>ISYS90045</th>
<th>ISYS90050</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Upper Core</th>
<th>ISYS90032</th>
<th>ISYS90043</th>
<th>ISYS90038</th>
<th>ISYS90051</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Elective</th>
<th>Elective</th>
<th>Elective</th>
<th>Elective</th>
</tr>
</thead>
</table>

Students who have gained advanced standing will complete a subset of these subjects depending on their background.
# Course Structure - MIS Health

<table>
<thead>
<tr>
<th>Foundation Core</th>
<th>Lower Core</th>
<th>Upper Core</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90026</td>
<td>ISYS90050</td>
<td>ISYS90038</td>
<td>Elective</td>
</tr>
<tr>
<td>ISYS90081</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bus. Proc. Mngt.</td>
<td>ISYS90049</td>
<td>ISYS90043</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ISYS90077</td>
<td>CAPSTONE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>eHealth Apps &amp; Solutions</td>
<td>CAPSTONE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ISYS90076</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>IT Infra. for Health</td>
<td>CAPSTONE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CAPSTONE</td>
</tr>
</tbody>
</table>

**Electives:**
- ISYS90002 Database
- INFO90001 eHealth & Biomed Methods
- ISYS90002 Database
- CAPSTONE
- CAPSTONE

**CAPSTONE:** Default is ISYS90079 Health IT Project, students with a WAM > 75% may be eligible to take ENGR90033 Internship (eHealth) or a Research Option

**Students starting in the 2nd half of the year MUST complete ISYS90069 concurrently with INFO90001 and ISYS90078 in their 2nd semester to complete their course within the 2 year period!**
# Research Specialisation Course Structure: Sample

<table>
<thead>
<tr>
<th>Foundation Core</th>
<th>Lower Core</th>
<th>Upper Core</th>
<th>Research</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90026</td>
<td>ISYS90048</td>
<td>ISYS90032</td>
<td>COMP90044</td>
<td>Elective</td>
</tr>
<tr>
<td>Fund. of IS</td>
<td>Mng. IT Infrast.</td>
<td>Emerg. Tech.</td>
<td>Research Methods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ISYS90049</td>
<td>ISYS90043</td>
<td>2nd Research Method Subject*</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ISYS90038</td>
<td>50 Points, usually ISYS90100 &amp; ISYS90106</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ISYS90038</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Imp. Digitisation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Placement of subjects depends on start semester and subject availability

*May be EDUC90716 (Term 3), MAST90078 (Term 1), EDUC90717 (Term 4) or an Elective in your research area
A note on course structure and completion of the Degree

- The published course plans give students an indication of a clash free timetable.
- If students play with the course plans and subsequently have a clash between subjects in their final semester
  - i.e. 2 subjects on at the same time
  - It is the students responsibility to deal with it **EVEN IF IT MEANS EXTENDING THE COURSE BY A SEMESTER**
- Foundation core usually will not clash with lower core subjects
- Upper core and lower core subjects CAN CLASH on the timetable!
- Elective subject will clash with some classes
Course Structure – Electives

Electives (Everyone, but dependent on specialisation)

• Students normally select four (Professional), three (Research) or two (Health) subjects from the list of electives.

• We group Electives into “Streams”
  – You can select electives from within a stream, or can select from multiple streams

• A subject in the foundation, or lower core you haven’t done can be an elective (100 & 150 point students)

• Students may also study electives from elsewhere in the University and if interested they should discuss this with the MIS coordinator.

• Some electives may not be available in all specialisations
  – Check course advice sheets for each specialisation
Course Structure – Professional Specialisation

Electives

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

**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)
Course Structure – Professional Specialisation

Electives

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

ISYS90069 eHealth and Biomedical Informatics Systems
ISYS90078 Health Data, Information and Knowledge
INFO90001 eHealth & Biomedical Informatics Methods
ISYS90076 IT Infrastructure for eHealth
ISYS90077 eHealth Applications and Solutions
POPH90263 Technology and Ageing

Interaction Design

INFO90004 Evaluating the User Experience
INFO90003 Designing Novel Interactions
INFO90006 Fieldwork for Design
INFO90007 Social Computing
Course Structure – Professional Specialisation

**Electives**

**Technical Computing**
Students can take any subject from the MIT (COMP9xxxx/ SWEN9xxxx) offerings as long as they have the prerequisite knowledge. Students 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 Spatial Visualisation

**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
Electives

**Operations & Marketing**
- MGMT90032 Operations & Process Management
- MKTG90017 Internet Marketing
- MKTG90007 Service Marketing
- MKTG90004 Marketing Management
- MKTG90008 Consumer Behaviour

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

**Industry Based Learning**
- An application process must be completed for these subjects, see each subject’s handbook entry.
- Not available to students undertaking the Research Specialisation, or subjects from the Research Studies elective stream.
- Students may only enrol in one of these subjects.

- INFO90010 Technology Innovation Project (rested)
- ENGR90033 Industry Based Learning
<table>
<thead>
<tr>
<th>Class/Events</th>
<th>Description</th>
<th>Day</th>
<th>Start</th>
<th>Finish</th>
<th>Duration</th>
<th>Weeks</th>
<th>Location</th>
<th>Class/Events Date</th>
<th>Start Date</th>
</tr>
</thead>
</table>
Generating Your Timetable (Student Portal)

my.unimelb.edu.au
MASTER OF INFORMATION SYSTEMS

The links below include the slides shown at the Meet your Coordinator orientation session along with the current course plans and electives (subject to change) for each specialisation.

Course Coordinator
Sean Maynard

sean.maynard@unimelb.edu.au

- MASTER OF INFORMATION SYSTEMS WELCOME GUIDE [PDF]
- MASTER OF INFORMATION SYSTEMS PROFESSIONAL STUDY GUIDE [PDF]
- MASTER OF INFORMATION SYSTEMS RESEARCH STUDY GUIDE [PDF]
- MASTER OF INFORMATION SYSTEMS HEALTH STUDY GUIDE [PDF]

Last updated: February 2019
Course Planning - This is Your Responsibility
Advanced Standing: Credit or Exemption?

Credit

• You get the 12.5 points for that subject credited to your degree
  – Occurs when
    – you have completed a similar subject at the same level (ie postgraduate)
    – You have applied for the 150 / 100 point program with work experience

Exemption (or non-credit exemption)

• You replace the subject with an elective in your degree
  – Occurs when you have covered the material in that subject in an undergraduate degree.
  – ALL core subjects get replaced by ISYS/INFO9xxxx, we also count ENGR90033 (as you would do an InfoSys Internship)
Planning Your Course

https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/study-guide/

Course Planning – Professional Specialisation

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 MCD Handbook 2018/2019/2020. All credit exemptions must be processed by the end of the second week of your 1st semester.

There are 16 subjects of study:

<table>
<thead>
<tr>
<th>Foundation Core</th>
<th>4 compulsory foundation subjects</th>
<th>Upper Core</th>
<th>4 compulsory subjects</th>
<th>Lower Core</th>
<th>4 compulsory subjects</th>
<th>Electives</th>
<th>4 subjects of your choice</th>
</tr>
</thead>
</table>

Your course should progress through the foundation core subjects before you undertake the lower core subjects of the 1st year of your study. In your 2nd year you should undertake 2 upper core subjects and 2 elective subjects per semester. If you are thinking about undertaking exchange, then you should complete your 4 upper core subjects in a single semester leaving 4 elective subjects that can be used in the exchange program.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Level</th>
<th>Subject</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (full time)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 &amp; 2 (part time)</td>
<td>Foundation Core</td>
<td>EY120005: Fundamentals of Information Systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundation Core</td>
<td>EY120003: Business Process Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundation Core</td>
<td>INF120002: Databases Systems &amp; Information Modelling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foundation Core</td>
<td>COMP18029: Introduction to Programming</td>
<td></td>
</tr>
<tr>
<td>2 (full time)</td>
<td>Lower Core</td>
<td>EY120005: IT Project and Change Management</td>
<td></td>
</tr>
<tr>
<td>3 (full time)</td>
<td>Upper Core</td>
<td>EY120004: Enterprise Applications &amp; Architectures</td>
<td></td>
</tr>
<tr>
<td>5 &amp; 6 (part time)</td>
<td>Upper Core</td>
<td>EY120008: Information Systems Electives</td>
<td>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 subjects.</td>
</tr>
<tr>
<td></td>
<td>Upper Core</td>
<td>EY120001: Strategy and Governance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
<td></td>
</tr>
<tr>
<td>4 (full time)</td>
<td>Upper Core</td>
<td>EY120006: Emerging Technologies and Issues</td>
<td></td>
</tr>
<tr>
<td>7 &amp; 8 (part time)</td>
<td>Upper Core</td>
<td>EY120003: Impact of Digitisation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>choose ONE – see Electives</td>
<td></td>
</tr>
</tbody>
</table>

DISCIPLINE ELECTIVES 50 points

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

<table>
<thead>
<tr>
<th>Technical Computing</th>
<th>IS/Project &amp; Change Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISY120006: Managing Change for IT Professionals</td>
<td>ISY120006: Software Engineering</td>
</tr>
<tr>
<td>ISY120007: Electronic Commerce</td>
<td>ISY120008: Enterprise Systems</td>
</tr>
<tr>
<td>ISY120005: Managing IT Outsourcing</td>
<td>ISY120020: Information Security Consulting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business Analytics</th>
<th>ISY120006: Data Warehousing</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT1041: Business Analysis &amp; Decision Making</td>
<td>COMP10204: Knowledge Technologies</td>
</tr>
<tr>
<td>MAST1004: Thinking and Reasoning with Data</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IT Infrastructure</th>
<th>ISY120005: Knowledge Management Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISY120019: Innovation &amp; Entrepreneurship in IT</td>
<td>ISY120017: Service Management and Innovation (hosted)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advanced Information Systems Electives</th>
<th>ISY120008: Microeconomics &amp; Biomedical Informatics Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISY120015: Health Data, Information and Knowledge</td>
<td>ISY12007: IT Infrastructure for eHealth</td>
</tr>
<tr>
<td>ISY120017: eHealth Applications and Solutions</td>
<td>COMH10025: Technologies and Aesthetics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>People Management</th>
<th>ISY120004: Cross Cultural Management &amp; Teamwork</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT1001: Managing Stakeholders</td>
<td></td>
</tr>
</tbody>
</table>

Research Studies

- This elective stream is only available to students who have received 50 points or more of Advanced Standing. Other students:
Enrolling In Subjects

When do I enrol in subjects for this year?
- NOW – ASAP preferably before Wednesday
- YES – the whole year

When do I enrol in subjects for next year
- In November

How do I enrol?
- Student Portal
Master of Information Systems
Health specialisation

Coordinator: Associate Professor Kathleen Gray
Email: kgray@unimelb.edu.au  Tel: 8344 8936
Office hours by appointment: Level 1, 202 Berkeley Street (Bldg 207)
What will you learn?

The digital transformation of healthcare is just beginning.
Lots of labels: digital health, e-health, connected health, m-health, telehealth, etc.
The foundation discipline for expert practice in this field is health informatics.
The MIS (Health) works across two Faculties: ENG&IT and Medicine, Dentistry & Health Sciences.

Image source: http://www.information-age.com/future-tech-healthcare-123455617/
Where / when / who? Many subjects are taught by external experts

<table>
<thead>
<tr>
<th>Subject</th>
<th>Semester/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90069 - EHealth and Biomedical Informatics Systems</td>
<td>Semester 1 - Tuesday evenings</td>
</tr>
<tr>
<td>INFO90001 - EHealth and Biomedical Informatics Methods</td>
<td>Semester 2 - Monday evenings</td>
</tr>
<tr>
<td>ISYS90078 - Health Data, Information and Knowledge</td>
<td>Semester 2 - Tuesday evenings</td>
</tr>
<tr>
<td>ISYS90076 - IT Infrastructure for EHealth</td>
<td>Semester 1 - Wednesday evenings</td>
</tr>
<tr>
<td>ISYS90077 - EHealth Applications and Solutions</td>
<td>Semester 1 - Tuesday evenings</td>
</tr>
<tr>
<td>ISYS90079 Health IT Project OR ENGR90033 Internship with a health focus OR Research (25 points)</td>
<td>Semester 1; Semester 2; Summer 2019 Capstone! Independent work! Plan ahead!</td>
</tr>
</tbody>
</table>
Elective choices in the MIS (Health) - any 2

ISYS & COMP subjects – dozens to choose from AND / OR Health electives (+ a few from Science and Law)
BINF90002 Elements of Bioinformatics - Semester 1
LAWS70421 Health Law and Emerging Technologies - Semester 1
POPH90013 Biostatistics - Semester 1
POPH90018 Data Management & Statistical Computing - Term 1 (online); Semester 2
POPH90263 Technology and Ageing - Term 4 (online)
POPH90294 Consumer Participatory Health Technology - Semester 2 (4 half-days + online)
HLTH90020 Digital Health & Information Services - Semester 2 (online)
Many more subjects with prefixes HLTH or POPH
Where to from here?

Local and global opportunities, but.. no standard career path

Scan Seek to get ideas about jobs:


• Jobs in this category on any given day in 2012: ~400. In 2017: ~1100.

Professional certification can make you stand out CHIA; CPHIMS; S Assoc HIMAA; MACHI & FACHI

What about a PhD in Health Informatics?

The MIS (Health) specialisation includes:

» a Methods subject, INFO90001
AND
» a Research Project subject, ISYS90079 (to be replaced by ISYS90109 and ISYS90110 in 2020 for students who have marks above 75%)

An H1 result in each of these subjects, plus an H1 average across the rest of your subjects, is a good basis to apply for a Health Informatics PhD at the University of Melbourne or at another University.
If you are accepted into a relevant PhD program in Australia or New Zealand, you may apply for the Fellowship by Training program of the Australasian College of Health Informatics.
Get involved!

Start building your professional networks.
Take advantage of events on campus & around Melbourne.

Send an email to health-informatics@unimelb.edu.au from your student email address. Say that you want to:

Subscribe to the University’s monthly email newsletter about Health Informatics events
Become a student member of industry associations HISA & HIMSS
• at no cost, through the University’s institutional memberships

The Health Informatics community welcomes newcomers!
RESEARCH

Must choose this option if you are thinking about a PhD and are in the professional specialisation
Have to choose NOW, or by the start of your 2nd semester. If in doubt, take COMP90044 Research Methods
MIS Research Electives –
ONLY MIS with >37.5 Credit points

150/100pt MIS - through the 25pt research project

• You need to work with the MIS coordinator early (In Your 1st Semester) if you want to explore this option! (to allow course planning for space in your degree)
• 3 of your electives (37.5 points) become research subjects
• Must complete (you need the MIS coordinator’s permission to enrol)
  – COMP90044 Research Methods

Need to have a potential supervisor lined up to work with during this subject
  – ISYS90109 / ISYS90110 Minor Research Project – Both Semesters (Total 25 points)

Need to have an average mark of 75% with no subject below 65% to be allowed to enrol
Need to have a mark around 80% in COMP90044 to enrol in the subject
MIS Research Specialisation – MIS200

200pt MIS - through the MIS ‘Research Specialisation’
• The preferred pathway to research higher degrees
• Must Complete
  – COMP90044 Research Methods
  – One of
    – EDUC90716 Introduction to Qualitative Methods
    – MAST90070 Introduction to Quantitative Research
    – EDUC90717 Mixed Methods Research and Evaluation
  – Elective in their research field – needs permission from MIS coordinator
  – 50 point research project
    – comprised from ISYS90100 to ISYS90108 - all research subjects of varied lengths
    – Usual enrolment would be ISYS90100 and ISYS90106
## Research Specialisation Course Structure: Sample

<table>
<thead>
<tr>
<th>S1</th>
<th>S2</th>
<th>S3</th>
<th>S4</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISYS90026 Fundamentals of Information Systems</td>
<td>Research Method* (quant, qual or mixed) OR Elective in your research area</td>
<td>ISYS90032 Emerging Technologies and Issues</td>
<td>ISYS90106 Information Systems Research Proj Major</td>
</tr>
<tr>
<td>COMP90044 Research Methods</td>
<td>ISYS90038 IS Strategy and Governance</td>
<td>ISYS90051 Impact of Digitisation</td>
<td></td>
</tr>
<tr>
<td>ISYS90048 Information Technology Infrastructure</td>
<td>ISYS90043 Enterprise Applications &amp; Architectures</td>
<td>ISYS90100 Information Systems Research Proj Major</td>
<td></td>
</tr>
<tr>
<td>ISYS90049 Process Analysis Modelling and Design</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Note: Placement of subjects depends on start semester and subject availability

* May be EDUC90716 (Term 3), MAST90078 (Term 1) or EDUC90717 (Term 4)
The MIS research-track is not an easy option (but it is interesting)

Selection is highly competitive, is based on marks and on capacity for supervision

Criteria (normally):
• an average of 75% with no result below 65%
• an average of around 80% in BOTH of the research methods subjects (COMP90044 and one of MAST90070, EDUC90716, or EDUC90717 or Elective in research area)
• a working relationship with their supervisor whilst studying COMP90044
• an agreement for supervision and a project defined with a staff member once you have completed COMP90044

Normally research projects are completed in at least two semesters
• 12.5 points followed by the balance of 37.5 points at the end of your degree
Research Projects

A list of research projects is available from

  - you will need your log in details...

Talk to staff members (especially on the east side of level 9, and level 10 of Doug McDonell)
Research Project Examples

- Ameliorating Social Isolation in Older People
- Using InfoSys for Smoking Cessation
- Emerging technologies to support human well-being
- Modelling the Benefits of Ontology Adoption
- Exploring the Potential of Electronic Commerce in Developing Countries
- Designing interfaces to support group coordination in online multiplayer games
- Measuring the Level of Trust between Trading Partners
- Managing knowledge in organizational contexts
- Adoption of Green Supply Chain Management (GrSCM) Initiatives
- The role of Social networks and Artefacts in Technology Appropriation
- Interaction Design for Information Intensive Applications – World of Warcraft Raiding
- Designing web and smart-phone applications for young psychosis patients
- The Use of Educational Technologies and Social Media in Higher Education
- Teaching Strategies for Information Security Management
- Teleworking and (In)security
- Security and mobility: What does Bring Your Own Device (BYOD) mean for security?
- The best defense is a good offense: Legal limitations to offensive activities by private enterprise
- Preserving the confidentiality of electronic patient records
- What can Information Security learn from Information Warfare?
- The application of formal and informal theories to information security management
- Digital Memorials and Commemoration Practices

Talk to staff members (east side of level 9, and level 10 of Doug McDonell)
What do you do Now?
Other Admin / Academic Issues - Advanced Standing

If nothing has changed since your application

• advanced standing (credits or exemptions) has already been assessed

If there are changes since your application

• Apply for more advanced standing (by the end of Week 1)
  – Just email MIS-HELP@unimelb.edu.au with your request
  – You will need to provide a transcript, syllabus for assessment, student ID

If you think you have already studied a subject's content, contact MIS-HELP@unimelb.edu.au to discuss your options. For example:

• students who have extensive work experience shouldn’t complete ISYS90045
• students who have already studied programming are not allowed to complete the programming subject COMP90059, likewise for database INFO90002
Other Admin / Academic Issues – Changing Subjects

If you see a subject in the Handbook that should be available in your course but you can’t find it in your Study Plan:

• Check the course plan for your specialisation
  – https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/
• If it is listed then submit an Enrolment Variation Form (https://enrolmentvariations.app.unimelb.edu.au)
• If it is not listed then Email MIS-HELP@unimelb.edu.au with your request
  – This includes all COMP/SWEN subjects and any other unlisted subjects
  – You will then be told what to do (may need to ask for subject coordinator permission and then sending it back to MIS-HELP)
  – You will then get approval from MIS-HELP (and possibly the subject coordinator)
  – then submit an Enrolment Variation Form (https://enrolmentvariations.app.unimelb.edu.au)
  – Attach the approval Email(s) (printed to pdf)
Other Admin / Academic Issues - Timetabling

Avoid clashes
• Some of the MIS subjects clash deliberately, you need to plan your course around these clashes
• If a clash happens you will have to choose one subject over the other.

Use the Class Registration Enquiry Management (CREM) system if you have any issues in completing your timetable that cannot be avoided
• You will need to raise the issue in CREM for advice:
  https://youtu.be/vlSFIFeksCE

NOTE – More than 10% of students having a clash may cause a subject to be moved, otherwise students are advised to change classes or put up with it
• If you are going to change your classes – check with MIS-HELP to try to reduce the chance of a timetable clash in the future (only for ISYS classes)
Who Do I Ask About...

Administration (Stop 1)
• Fees
• Issues with enrolling in subjects
• Issues dealing with course administration, visas, etc
• Course Advice (you will need an appointment)
  – General questions about subjects
  – General questions about which subjects to choose to become a ...
  – If they can't help you then you can email MIS-HELP@unimelb.edu.au

INCLUDE YOUR STUDENT ID IN ALL EMAILS
Who Do I Ask About…

Academic (MIS-HELP@unimelb.edu.au)

- Advanced Standing (must be completed by the end of week 2 of your 1st semester – it’s too late after this)
  - Getting credit from past studies
    - must be postgraduate level from a completed degree
  - Getting exemptions from subjects
    - can be ugrad subjects or pgrad subjects
- Changing your course plan (course advice – go to stop 1 in the 1st instance)
  - Approval to enrol in
    - Research Specialisation (MIS 200) and Research Subjects
    - Health Specialisation
  - Changing core subjects in your course plan (rarely approved)
  - Adding electives not in your course plan
  - Once you get approval you then need to submit an Enrolment Variation Form attaching the approval
I NEED HELP!

COURSE ADVICE:
- Refer to the course advice documents, replacing exempted subjects with electives  
  - https://currentstudents.eng.unimelb.edu.au/coursework/study-resources/
- Ask Stop 1!
- Then if you still need help  
  - Email MIS-HELP@unimelb.edu.au

OTHER ISSUES:

Special consideration
- Other issues affecting your study
- Enrolling in a subject (eg a sanction) or with administrative things  
  - See the Stop 1  
    - Bear in mind – last semester had 3-4 hour waiting lines and 5 day delays in responding to email.
I NEED HELP!

If you:

• know any student who hasn’t attended this session
• think you should have received credits or exemptions
• have extra ordinary issues with selecting subjects
  – see Sean Maynard at the following times (drop in at any time) – all in Doug McDonell Building
    Tuesday 23 July 8am - 11am (Room 10.22)  Wednesday 24 July 8am - 11am  (Room 10.05)
    Friday 26 July 8am -10am  (Room 10.05)  Monday 29 July 8am – 10am  (Room 10.22)
    Friday 2 July 8am – 10am  (Room 10.05)
  – I AM NOT AVAILABLE IN WEEK 0 or 1 outside these times
• You will need your past transcripts AND your offer letter.
Where is Doug McDonell
I NEED HELP!

If you want to do RESEARCH

• you need to attend the following information session
  – Wednesday 24 July 12:00pm – 2pm, Room 10.05 Doug McDonell Building
  – be there from the start (it probably won’t go for 2 hours)
• If you miss this session it is likely you will not be able to do research in the MIS – it’s a decision you need to make before you start semester!
Questions!

General Questions
• Ask Now...

Individual Personalised Questions
• I will answer questions after this session

Questions after this session
• EMAIL – MIS-HELP@unimelb.edu.au
Thank you and good luck in the Master of Information Systems

Dr Sean Maynard
Course Director Master of Information Systems
School of Computing and Information Systems,
Melbourne School of Engineering
LinkedIn  http://www.linkedin.com/in/seanbm69

Email: MIS-HELP@unimelb.edu.au