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FIT5120 Industry experience studio project - Semester 2, 2015

The industry experience project capstone unit gives students the opportunity to research contemporary approaches to system development and develop new skills, as well as applying the knowledge and skills they have already gained, in the delivery and development of an IT solution to industry standards designed for use by business clients. During this process students are expected to reflect on these concepts and theories in order to analyse why they are necessary for a successful outcome. The students work in self managed teams. Throughout this process students will need to communicate effectively (interpreting and evaluating what effective communication means) to a range of stakeholders. This includes analysing and synthesising information gained, as well as producing and presenting outputs to professional industry standards. Students will present, in relevant and innovative ways, findings to academics and peers as well as project based stakeholders and industry experts. The students attend unit seminars, carry out research individually and contribute in a professional, committed and collegial manner to the work of their team and to their studio peers.

It is highly recommended that students enrol in FIT5122 Professional practice in conjunction with FIT5120. FIT5122 Professional practice has been designed specifically so that students will benefit from this unit whilst taking FIT5120.

Mode of Delivery

- Caulfield (Day)
- Caulfield (Online)
- Malaysia (Day)

Workload Requirements

Minimum total expected workload equals 24 hours per week comprising:

(a.) Contact hours for on-campus students:

- Two 1-hour seminar
- Two 3-hour studio laboratories

(b.) Additional requirements (all students):

- a minimum of 16 hours independent study per week for completing project work individually and with team members, client meetings and review work.

See also Unit timetable information

Unit Relationships

Prohibitions

FIT5198
Co-requisites

FIT5104 or FIT5122 (for full-time students)

Prerequisites

All students: FIT5057 and students must be in their final semester of study (have less than or equal to 24 points of study to complete) and

Master of Business Information Systems students: (FIT5123 or FIT9123), (FIT5130 or FIT9130), (FIT5131 or FIT9131), (FIT5132 or FIT9132) or equivalent for non-cognate students.
Master of Information Technology students: (FIT5131 or FIT9131), (FIT5132 or FIT9132) and FIT5136 or equivalent for non-cognate students.

Master of Information Technology Professional/Master of Business Information Systems Professional: ((FIT5123 or FIT9123) and (FIT5130 or FIT9130)) or FIT5136 or equivalent
Part-time students: FIT5104 or FIT5122 for non-cognate students.

Chief Examiner

Ms Gail Bourne

Campus Lecturer

Caulfield
Gail Bourne
Peter O'Donnell
Greg Rolan

Malaysia
Esyin Chew

Tutors

Caulfield
Yiwei Zhong
Weng Pang Long

Malaysia
Nik Nailah Abdullah
Your feedback to Us

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through the Student Evaluation of Teaching and Units (SETU) survey. The University’s student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash’s educational strategy, see:

www.monash.edu.au/about/monash-directions/ and on student evaluations, see:
www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Previous Student Evaluations of this Unit

The unit was run for the first time in semester 1, 2015 and as such, no changes have been made yet, in response to feedback, however if you wish to view how previous students rated this unit, please go to


If you wish to view how previous students rated this unit, please go to
Academic Overview

Learning Outcomes

On successfully completing this unit, students should be able to:

1. critically analyse complex information and identify information requirements interpreting how they may be of benefit to an organisation or a community;
2. analyse how IT applications are developed and evaluate the underlying principles and reasons underpinning each aspect of the development process, proposing the need for and then using, a methodological approach to deliver an application;
3. differentiate and synthesise the interrelated roles and responsibilities of all stakeholders of a project and assess and analyse why these roles are important for a successful project;
4. apply, in an industry standard setting, new concepts as well as aspects of theoretical approaches already learned, selecting the most appropriate fit for a specific situation and the rationale for that selection;
5. demonstrate discernment and judgment in effective two-way communication to all stakeholders/audiences, both specialist and generalist, by using innovative, relevant and meaningful mechanisms to disseminate knowledge and ideas;
6. contrast and apply the most suitable IT and professional practice skills to operate effectively as a member of a development team;
7. evaluate, assess and communicate both personal and team progress and learning, thus engaging in meaningful reflective practice.
# Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Activities</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Refer to the Moodle website for this unit for current weekly requirements.</td>
<td>No formal assessment or activities are undertaken in week 0</td>
</tr>
<tr>
<td>1</td>
<td>Students will be advised of specific activities to be held each week via Moodle.</td>
<td>Students will be advised of all specific delivery dates and deliverables via Moodle for Assessment tasks 1 and 2.</td>
</tr>
<tr>
<td>2</td>
<td></td>
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<tr>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Final Presentation of Project due</td>
<td></td>
</tr>
</tbody>
</table>

SWOT VAC (There is no formal examination for this unit) No formal assessment is undertaken in SWOT VAC


*Unit Schedule details will be maintained and communicated to you via your learning system.

## Teaching Approach

**Work-integrated learning or industry-based learning**

In this unit we simulate a real systems development experience. Groups of students work as a team with support and mentoring from both academic staff and senior industry clients to develop a working and innovative system to industry standards.

The unit involves seminars, studios and workshops, and research activities. Learning is encouraged through enquiry based and peer assisted approaches, student presentations and experiential learning. Reflection, through portfolios, is used to conceptualise, document and understand the experience and to develop understanding of personal strengths.

## Assessment Summary

In-semester assessment: 100%

<table>
<thead>
<tr>
<th>Assessment Task</th>
<th>Value</th>
<th>Due Date</th>
</tr>
</thead>
</table>

5
<table>
<thead>
<tr>
<th></th>
<th>%</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical Assessment -</td>
<td>70%</td>
<td>Varied throughout the semester, dates to be negotiated with Project Director. Please refer to specific information on the Moodle website.</td>
</tr>
<tr>
<td>Project deliverables</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Individual EPortfolio</td>
<td>15%</td>
<td>Weekly, dates documented on the Moodle website.</td>
</tr>
<tr>
<td>Final Presentation of</td>
<td>15%</td>
<td>Week 12</td>
</tr>
<tr>
<td>Project</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles (http://intranet.monash.edu.au/infotech/resources/staff/edgov/policies/assessment-examinations/assessment-hurdles.html)

Academic Integrity - Please see resources and tutorials at http://www.monash.edu/library/skills/resources/tutorials/academic-integrity/

Assessment Tasks

Participation

• Assessment task 1

  Title: Practical Assessment - Project deliverables

  Description: Learning Outcomes: 1,2,3,4,5,6,7.

  In teams of four or five, you will be given the opportunity to research contemporary approaches to system development and develop new skills, as well as applying the knowledge and skills you have already gained. You will deliver and develop an IT solution by analysing and defining an important problem space that needs to be solved and then deliver a solution that is meaningful and useful to real business clients or community groups in an entrepreneurial way.

  You will work in self-managed teams, mentored by academic and senior industry executives. Throughout the unit, you will create, to professional industry standards a range of system development deliverables related to the project, in your team portfolio. These deliverables will be presented to academics, peers, any project based stakeholders and industry experts in relevant and innovative ways.

  The details of these deliverables and presentations will be specified and negotiated in the early stages of the development process.

  Detailed information about assessment, content and due dates will be provided via the Moodle website.

  Weighting: 70%

  Criteria for assessment: How well the project meets the agreed system requirements (Industry mentor and studio supervisor), how well the process of development is carried out, the management of that process and the professionalism of the team.

  The supervisor will monitor individual contributions by individual team members through observation, meetings and interviews. Professional practice and participation will also be taken into account. This assessment will also include peer assessment of self and team members across a range of criteria, for each deliverable.

  An individual team member's final mark for the 'Project Deliverables' can vary based on
these individual criteria across the semester. This variation can be plus/minus up to 100% of the group mark for the 'Project Deliverables'.

Detailed information about criteria for assessment of each deliverable will be provided on the Moodle website.

**Due date:**
Varied throughout the semester, dates to be negotiated with Project Director. Please refer to specific information on the Moodle website.

• **Assessment task 2**

  **Title:**
  Individual EPortfolio

  **Description:**
  Learning Outcomes: 6,7.

  The Portfolio gives students the opportunity to document their experience and their project, and reflect upon, analyse, and learn from their experiences. The students will constructively review their practices, with a view to improving future practice. This is an individual assignment.

  **Weighting:**
  15%

  **Criteria for assessment:**
  Reflection of learning experience including description, evaluation, analysis of their learning experiences, together with strategies to solve any similar issues that might arise in the future. Examples will be given on the Moodle website.

  **Due date:**
  Weekly, dates documented on the Moodle website.

• **Assessment task 3**

  **Title:**
  Final Presentation of Project

  **Description:**
  Learning Outcomes: 5,6,7.

  This is a team assignment with items taken from your team portfolios and your individual portfolios to create a 10-15 minute presentation that will describe your team's final project: the reasoning behind it, its viability for industry and an overview of how it was developed. The presentation will also include your team's learning journey and progress throughout the development.

  **Weighting:**
  15%

  **Criteria for assessment:**
  Presentations will be assessed on content across a range of criteria (available on Moodle), process of development and medium used to present (novel ways will be encouraged). An example of a successful video presentation of a project will be available on Moodle as an example.

  The supervisor will monitor individual contributions by individual team members through observation, meetings and interviews. Professional practice and participation will also be taken into account. This assessment will also include peer assessment of self and team members.
An individual team member’s final mark for the ‘Final Presentation’ can vary based on these individual criteria.

**Due date:**
Week 12

**Learning resources**

**Reading list**

There are no recommended texts, however, as the final semester of their studies, students are expected to have developed their own collection of texts, URLs and other reference materials, and will be required to carry out further research related to their specific project.

Monash Library Unit Reading List (if applicable to the unit)
http://readinglists.lib.monash.edu/index.html

**Feedback to you**

Types of feedback you can expect to receive in this unit are:

- Informal feedback on progress in labs/tutes
- Graded assignments with comments
- Interviews

**Extensions and penalties**

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process: http://www.monash.edu.au/exams/special-consideration.html

**Returning assignments**

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.

**Assignment submission**

It is a University requirement for students to submit an assignment coversheet for each assessment item. Faculty Assignment coversheets can be found at http://www.infotech.monash.edu.au/resources/student/forms/. Please check with your Lecturer on the submission method for your assignment coversheet (e.g. attach a file to the online assignment submission, hand-in a hard copy, or use an electronic submission). Please note that it is your responsibility to retain copies of your assessments.
Online submission

If Electronic Submission has been approved for your unit, please submit your work via the learning system for this unit, which you can access via links in the my.monash portal.

Required Resources

Please check with your lecturer before purchasing any Required Resources. Limited copies of prescribed texts are available for you to borrow in the library, and prescribed software is available in student labs.

The studio environment provides a large array of software and hardware for students to use within the studios. Anything additional is to be negotiated between the student teams and their supervisors. FIT will not normally provide additional hardware or software.

Technological Requirements

Students must regularly check Moodle for current information.

Recommended Resources

Please refer to the unit website for resources
Other Information

Policies
Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University’s academic standards, and to provide advice on how they might uphold them. You can find Monash’s Education Policies at: www.policy.monash.edu.au/policy-bank/academic/education/index.html

Faculty resources and policies
Important student resources including Faculty policies are located at http://intranet.monash.edu.au/infotech/resources/students/

Graduate Attributes Policy
http://www.policy.monash.edu/policy-bank/academic/education/management/monash-graduate-attributes-policy.html

Student Charter

Student services
The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at http://www.monash.edu.au/students. For Malaysia see http://www.monash.edu.my/Student-services, and for South Africa see http://www.monash.ac.za/current/.

Monash University Library
The Monash University Library provides a range of services, resources and programs that enable you to save time and be more effective in your learning and research. Go to www.lib.monash.edu.au or the library tab in my.monash portal for more information. At Malaysia, visit the Library and Learning Commons at http://www.lib.monash.edu.my/. At South Africa visit http://www.lib.monash.ac.za/.

Disability Liaison Unit
Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis.

- Website: http://www.monash.edu/equity-diversity/disability/index.html
- Telephone: 03 9905 5704 to book an appointment with a DLO; or contact the Student Advisor, Student Community Services at 03 55146018 at Malaysia
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1, Building 55, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Malaysia Campus