FIT2002 Project management - Semester 2, 2012

This unit provides both a theoretical and practical overview of processes involved in successfully managing medium to large scale projects undertaken by organisations operating within various industry sectors. Even though, this unit makes references to projects common to the information technology industry, the principles are equally applied to non-IT related projects. Examples and mini-cases illustrating project management issues experienced by various sectors (e.g. construction, business, defence) are cited. Typical topics include the project life cycle, problem definition, project evaluation, high and low level planning using such techniques as networking, gantt charts and resource levelling, team building and people management, contract management, ethical and security issues, project monitoring and control, reporting and communication, termination and assessment.

Mode of Delivery

- Clayton (Day)
- Gippsland (Day)
- Gippsland (Off-campus)
- Sunway (Day)
- South Africa (Day)

Contact Hours

2 hrs lectures/wk, 2 hrs laboratories/wk

Workload

Workload commitments per week are:

- two-hour lecture
- two-hour tutorial
- a minimum of 2-3 hours of personal study per one hour of contact time in order to satisfy the reading and assignment expectations.

Unit Relationships

Prohibitions

AFW3043, BEW3640, BUS2176, CIV3205, CPE2006, CSE2203, GCO3807, GEG3104, GSE3003, FIT3086, MGW2700, MMS2203

Prerequisites

Completion of at least 24 points of level one study or equivalent.

Chief Examiner

Dr Dora Constantinidis (Semester 1)
Dr Rodney Martin (Semester 2)
Campus Lecturer

Clayton

Rodney Martin

Consultation hours: Wednesday 2:00 PM - 4:00 PM

Gippsland

Dengsheng Zhang

Consultation hours: TO BE ADVISED

South Africa

Paula Murray

Consultation hours: TO BE ADVISED

Sunway

Tam Leong Hing

Consultation hours: TO BE ADVISED

Tutors

Clayton

KAMRAN MEMON

Consultation hours: TO BE ADVISED

PETER HUYNH

Consultation hours: TO BE ADVISED

SOPHIA DUAN

Consultation hours: TO BE ADVISED

RODNEY MARTIN

Consultation hours: Wednesday 2:00 PM - 4:00 PM
Academic Overview

Outcomes

At the completion of this unit students will be able to:

- describe the characteristics and phases of a project and its life cycle and explain the role played by the project manager;
- explain the need for and develop specific goals, detailed plans and control strategies in large scale projects and relate this to the major reasons for the failure of projects;
- develop relevant, achievable and measurable project goals;
- explain and use standard project management techniques including Project Networks, Critical Path Analysis and Management, Gantt Charts and Time-Phased Budgets for high and low level project planning;
- explore various alternatives in implementing projects by taking into account of enterprise architecture;
- discuss the communication, people handling and team management skills required of a project manager and explain some of the techniques that may be employed;
- identify and critically discuss the impact on a project of external influences, including organisational structure, and stakeholders;
- explain the processes involved in selecting and initiating a project and prepare various critical documents required for these processes, including financial justification;
- explain the importance of resource availability on project plans, perform project crashing calculations in order to develop and manage resource constrained project plans;
- describe the need for Quality Management in projects and explain, compare and use various techniques currently employed by professional project managers;
- describe the impact of risk on a project managers decision process, explain how that risk may be managed and/or mitigated and develop an appropriate risk management plan;
- describe the need for developing ethical practices in managing project teams;
- explain security concerns in project management;
- decide on the type of contracts that need to be prepared in support of acquiring products/services used within projects;
- monitor the progress of a project, determine performance against the plan, develop strategies to manage any variation and discuss formal change control processes;
- produce useful, informative progress reports for various project stakeholders and conduct stage and post project reviews.

Graduate Attributes

Monash prepares its graduates to be:

1. responsible and effective global citizens who:
   a. engage in an internationalised world
   b. exhibit cross-cultural competence
   c. demonstrate ethical values

2. critical and creative scholars who:
   a. produce innovative solutions to problems
   b. apply research skills to a range of challenges
   c. communicate perceptively and effectively
Assessment Summary

Examination (3 hours): 60%; In-semester assessment: 40%

<table>
<thead>
<tr>
<th>Assessment Task</th>
<th>Value</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical Questions</td>
<td>20%</td>
<td>NQA 1 due 17 August 2012; NQA 2 due 31 August 2012; NQA 3 due 14 September 2012; NQA 4 due 5 October 2012</td>
</tr>
<tr>
<td>Assignment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microsoft Project</td>
<td>20%</td>
<td>15 October 2012</td>
</tr>
<tr>
<td>Assignment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Examination 1</td>
<td>60%</td>
<td>To be advised</td>
</tr>
</tbody>
</table>

Teaching Approach

Lecture and tutorials or problem classes

This teaching and learning approach provides facilitated learning, practical exploration and peer learning.

Feedback

Our feedback to You

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

- Graded assignments with comments
- Graded assignments without comments
- Solutions to tutes, labs and assignments

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 SETU, Student Evaluation of Teacher and Unit. 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, and on student evaluations, see:
http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Previous Student Evaluations of this unit

If you wish to view how previous students rated this unit, please go to
Recommended Resources

Microsoft Project 2010.

This software is available in Student Labs - please confirm with your tutor during tutorials.
# Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Activities</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No formal assessment or activities are undertaken in week 0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Unit overview and Introduction to project management</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Network Calculations and Scheduling</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Scheduling, Capacity Calculations, Project Compression</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Project Compression, PERT</td>
<td>NQA 1 PROJECT NETWORKS (5%) due 17 August 2012</td>
</tr>
<tr>
<td>5</td>
<td>Project Cost Management - Financials, Cash Flow</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Earned Value, Net Present Value</td>
<td>NQA 2 PROJECT COMPRESSION (5%) due 31 August 2012</td>
</tr>
<tr>
<td>7</td>
<td>Net Present Value</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Decision Making and Project Selection</td>
<td>NQA 3 FINANCIAL CALCULATIONS (5%) due 14 September 2012</td>
</tr>
<tr>
<td>9</td>
<td>Revision and Buffer</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Quality, ISO9000 Standards, Organizational Structure</td>
<td>NQA 4 NET PRESENT VALUE (5%) due 5 October 2012</td>
</tr>
<tr>
<td>11</td>
<td>Human Resources, Contract Law</td>
<td></td>
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<tr>
<td>12</td>
<td>Contract Administration. Exam description.</td>
<td>MS PROJECT (20%) due 15 October 2012</td>
</tr>
<tr>
<td>SWOT VAC</td>
<td>No formal assessment is undertaken in SWOT VAC</td>
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</table>

*Unit Schedule details will be maintained and communicated to you via your MUSO (Blackboard or Moodle) learning system.*
Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at
http://lib.monash.edu/tutorials/citing/

Assessment Tasks

Participation

• Assessment task 1

  Title:
  Numerical Questions Assignment

  Description:
  One numerical question on each of the topics (1) Project Networks, (2) Project
  Compression, (3) Financials, (4) Net Present Value. Equal marks (5%) for each question.

  Weighting:
  20%

  Criteria for assessment:
  Assessment will be on (1) correct answer 3 marks. (2) Method, explanation,
  presentation 2 marks.

  Due date:
  NQA 1 due 17 August 2012; NQA 2 due 31 August 2012; NQA 3 due 14 September 2012;
  NQA 4 due 5 October 2012

• Assessment task 2

  Title:
  Microsoft Project Assignment

  Description:
  Details of a project will be provided. Students will do capacity planning calculations,
  then enter the technical information into MS Project. Students will then demonstrate
  important features of MS Project, including WBS (use Visio Data Modeller), report
  generation, tracking, use of VBA to write information from MS Project to an Excel
  spreadsheet. Students will submit data files and a short report (15-20 pages) summarizing
  their work.

  Weighting:
  20%

  Criteria for assessment:
  Capacity calculations and enter information and presentation in MS Project 10%. WBS
  2%. Tracking demonstration 4%. VBA 4%.

  Due date:
  15 October 2012
Examinations

• Examination 1

Weighting:
60%
Length:
3 hours
Type (open/closed book):
closed book
Electronic devices allowed in the exam:
None

Assignment submission

It is a University requirement (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html) 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 online quiz).

Online submission

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

Extensions and penalties

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


Returning assignments

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.
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: http://policy.monash.edu.au/policy-bank/academic/education/index.html

Key educational policies include:

- Plagiarism (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-policy.html)
- Special Consideration (http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.html)
- Grading Scale (http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html)
- Discipline: Student Policy (http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html)
- Academic Calendar and Semesters (http://www.monash.edu.au/students/key-dates/)
- Orientation and Transition (http://www.infotech.monash.edu.au/resources/student/orientation/)
- Codes of Practice for Teaching and Learning (http://www.policy.monash.edu/policy-bank/academic/education/conduct/suppdocs/code-of-practice-teaching-and-learning.html)

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 www.monash.edu.au/students. For Sunway see http://www.monash.edu.my/Student-services, and for South Africa see http://www.monash.ac.za/current/

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

Academic support services may be available for students who have a disability or medical condition. Registration with the Disability Liaison Unit is required. Further information is available as follows:

- Website: http://monash.edu/equity-diversity/disability/index.html
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus
- Telephone: 03 9905 5704, or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway
Other Information

Reading list
