# ISYS90052 Managing Large Projects

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| **Credit Points:** | 12.5 |
| **Level:** | 9 (Graduate/Postgraduate) |
| **Dates & Locations:** | This subject is not offered in 2016. |
| **Time Commitment:** | Contact Hours: 36 hours in block mode Total Time Commitment: 200 hours |
| **Prerequisites:** | Students enrolled in the two year 200 point Master of Information Systems must have completed 50 points of study. |
| **Corequisites:** | None |
| **Recommended Background Knowledge:** | Basic knowledge of MS-Project or equivalent software package. |
| **Non Allowed Subjects:** | None |
| **Core Participation Requirements:** | For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a> |
| **Contact:** | Dr Sean Maynard<br>Email: **sean.maynard@unimelb.edu.au (mailto:sean.maynard@unimelb.edu.au)** |
| **Subject Overview:** | **Aims**<br>This subject examines three advanced topics in the field of project management with an emphasis on commercial corporate practices and formal techniques used in the management of large projects:<br>1 Project planning, scheduling, estimation and control techniques<br>2 Project management models including the use of methodologies, outsourcing, procurement and project management office arrangements<br>3 Project financial management including budgeting, cash flow management and earned value tracking techniques<br>4 Project governance processes, models and techniques including risk management, value management, steering committee reporting and change management and stakeholder management<br>5 Corporate and Government project methodologies including PRINCE2, ITIL, MoR and CoBIT5<br>This subject builds upon the knowledge acquired in ISYS90037 Advanced IS Project Management. The subject seeks to ensure students develop skills and knowledge that can be directly applied in their work as project management practitioners, and that they can apply techniques and models appropriately to their work context.<br>**Indicative Content**<br># Project control and governance including functions and interactions with steering committees, project control offices and management stakeholders.<br># Essentials of project reporting and financial management in a corporate setting.<br># Formal project scheduling and progress evaluation<br># Essentials of project planning and estimating<br># Differing project organisation models for differing development methodologies |

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| | # Essentials of PRINCE2<br># Project Risk Management<br># Use of metrics for system development<br># Consideration of commercial certifications including ITIL, CoBIT, PMI and PRINCE2<br># Management of outsourced projects<br># Consideration of new “agile methods” in systems development and impact on project management. |
| **Learning Outcomes:** | **Intended Learning Outcomes (ILOs)**<br>On completion of this subject the student is expected to:<br>1 Apply a range of formal project management planning, controlling, scheduling and estimation techniques recognising in which context these techniques are useful to project success<br>2 Understand how project management methodologies assist in contributing to project success in a corporate environment and be able to critique a methodology<br>3 Develop expertise in a range of techniques associated with the governance of a project. In particular students should be capable of undertaking risk assessments of their project, define the value of their project in business terms, be capable of identifying and managing the various stakeholders to the project, and be able to report project status effectively to their stakeholders |
| **Assessment:** | One group based project action plan (25%) with 3-4 group members of approximately 4000 words due mid semster, requiring approximately 33-37 hours of work per student. Intended Learning Outcomes (ILOs) 1 to 3 are addressed in the project action plan. One group based project progress report (25%) with 3-4 group members of approximately 2000 words and a presentation of 20 minutes duration due near the end of semester, requiring approximately 33-37 hours of work per student. ILOs 1 to 3 are addressed in the project progress report and presentation. One 2-hour examination (40%)held in the examination period (40%). ILOs 1 to 3 are addressed in the examination. Participation in seminars (10%). ILOs 1 to 3 are addressed in seminars. Hurdle requirement: To pass the subject, students must obtain: at least 50% of the marks available in the non-examination based assessment at least 50% of the marks available in the examination |
| **Prescribed Texts:** | Kerzner, Harold 2009 or later edition, Project Management: A Systems Approach to Planning Scheduling, and Controlling, John Wiley & Sons |
| **Breadth Options:** | This subject is not available as a breadth subject. |
| **Fees Information:** | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| **Generic Skills:** | On completion of this subject, students should have developed the following generic skills:<br># Analysis<br># Critical thinking<br># Independent learning<br># Confidence at presenting to a business audience. |
| **Links to further information:** | www.cis.unimelb.edu.au |
| **Notes:** | Basic knowledge of MS-Project is required for this subject.<br>**Learning and Teaching Methods**<br>12 lectures are delivered covering all examinable topics combined with a series of mini-case studies involving problem solving and application of techniques.<br>A major case study is provided for project planning involving multi-site locations, with installation of computer equipment, telecommunications and application suite with multiple suppliers and subcontractors. This is done in small group syndicates.<br>A discussion forum is provided for students to raise issues and questions with stakeholders (role played by the lecturer). |

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| | A second round of the case study is then required which involves a review and revision of the project in terms of certain specific problems encountered and delivered as a presentation and progress report to a steering committee (role played).<br>**Indicative Key Learning Resources**<br>Prescribed Text – *Project Management, A Systems Approach to Planning, Scheduling and Controlling* by Harold Kerzner (Wiley) Edition 9 or later. Use of Microsoft Project Software or equivalent. Discussion forum provided via LMS. Materials from real-world cases are provided in class.<br>**Careers/Industry Links**<br>Alumni have joined major consulting firms, Telcos, and Government Departments as project managers, and several have been successful in overseas homeland appointments. |
| **Related Course(s):** | Doctor of Philosophy - Engineering<br>Master of Information Systems<br>Master of Information Systems<br>Master of Information Systems<br>Master of Information Technology<br>Master of Philosophy - Engineering<br>Master of Science (Information Systems) |
| **Related Majors/Minors/ Specialisations:** | MIS Professional Specialisation<br>MIS Research Specialisation |