

SWEN90002 Engineering for Internet Applications

| Credit Points: | 12.50 | | | | | | |
|--|---|----------------|----------------------------|----------------|--|------------------|-------|
| Level: | 9 (Graduate/Postgraduate) | | | | | | |
| Dates & Locations: | This subject is not offered in 2013. | | | | | | |
| Time Commitment: | Contact Hours: 36 hours, comprising of one 1-hour lecture and one 2-hour workshop per week Total Time Commitment: 120 hours | | | | | | |
| Prerequisites: | <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>COMP90041 Programming and Software Development</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> | Subject | Study Period Commencement: | Credit Points: | COMP90041 Programming and Software Development | Not offered 2013 | 12.50 |
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| COMP90041 Programming and Software Development | Not offered 2013 | 12.50 | | | | | |
| Corequisites: | None | | | | | | |
| Recommended Background Knowledge: | Familiarity with software development for internet applications | | | | | | |
| Non Allowed Subjects: | Students cannot enrol in and gain credit for this subject and: <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>SWEN90007 Software Design and Architecture</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> | Subject | Study Period Commencement: | Credit Points: | SWEN90007 Software Design and Architecture | Not offered 2013 | 12.50 |
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| SWEN90007 Software Design and Architecture | Not offered 2013 | 12.50 | | | | | |
| Core Participation Requirements: | <p><p>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.</p> <p>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: http://services.unimelb.edu.au/disability</p></p> | | | | | | |
| Contact: | Dr Aaron Harwood email: aharwood@unimelb.edu.au (mailto:aharwood@unimelb.edu.au) | | | | | | |
| Subject Overview: | Topics covered include: Web software architectures; languages and standards for data and applications on the World Wide Web; protocols for data exchange, program invocation, self-description, and discovery that form a basis for Web Services. Technologies discussed include HTML, HTTP, XML, SOAP, and WSDL. The development platform will be either Java Web Services platform or Microsoft's .NET. The use of these technologies for creating sample client-server and distributed applications will also be discussed. | | | | | | |
| Objectives: | On completion of the subject students should be able to: <ul style="list-style-type: none"> # Become familiar with numerous technologies and design patterns for building internet applications # Be able to critically analyse a given approach/pattern # Work in groups to develop complex software | | | | | | |
| Assessment: | Two projects due around weeks 7 and 12, expected to take approximately 36 hours (40%) Class participation (20%) One end-of-semester examination not exceeding 3 hours in duration (40%) | | | | | | |
| Prescribed Texts: | None | | | | | | |

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| 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: | <p>On completion of this subject students should be able to:</p> <ul style="list-style-type: none"> # Undertake problem identification, formulation, and solution # Utilise a systems approach to complex problems and to design an operational performance # Manage information and documentation # Communicate effectively both with the engineering team and the community at large |
| Related Course(s): | <p>Bachelor of Engineering (Software Engineering) Bachelor of Engineering (Software Engineering)/Bachelor of Science Master of Engineering in Distributed Computing Master of Information Technology Master of Information Technology Master of Information Technology Master of Information Technology Master of Information Technology Master of Information Technology Master of Philosophy - Engineering Master of Software Systems Engineering Ph.D.- Engineering Postgraduate Certificate in Engineering</p> |
| Related Majors/Minors/ Specialisations: | Computer Science |