

INFO20002 Foundations of Informatics

| Credit Points: | 12.50 | | | | | | | | |
|---|---|----------------|--|---------|----------------------------|----------------|---|------------------------|-------|
| Level: | 2 (Undergraduate) | | | | | | | | |
| Dates & Locations: | This subject is not offered in 2012. | | | | | | | | |
| Time Commitment: | Contact Hours: 12 two-hour lectures (two per week), 12 one-hour tutorials (one per week) and 12 one-hour practicals (one 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>COMP10001 Foundations of Computing</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>OR</p> <p>Achieving at least 75% in a programming competency test.</p> | | | Subject | Study Period Commencement: | Credit Points: | COMP10001 Foundations of Computing | Semester 1, Semester 2 | 12.50 |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | |
| COMP10001 Foundations of Computing | Semester 1, Semester 2 | 12.50 | | | | | | | |
| Corequisites: | None | | | | | | | | |
| Recommended Background Knowledge: | None | | | | | | | | |
| Non Allowed Subjects: | <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO10002 Informatics 2: Programming on the Web</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>600-152 Informatics-2: People, Data, and the Web</p> <p>615-240 Concepts of Software Development 2</p> | | | Subject | Study Period Commencement: | Credit Points: | INFO10002 Informatics 2: Programming on the Web | Semester 1 | 12.50 |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | |
| INFO10002 Informatics 2: Programming on the Web | Semester 1 | 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: | <p>Dr Sean Maynard</p> <p>email:sean.maynard@unimelb.edu.au (mailto:sean.maynard@unimelb.edu.au)</p> | | | | | | | | |
| Subject Overview: | <p>The ability to access, manipulate, organise, analyse and display data are fundamental skills for scientists, historians, managers, financiers, artists and many other professions. This subject explores various computational methods to represent, transform, and make sense of large, diverse sets of data such as share market prices, scientific data or demographic data. Topics covered include: representing and manipulating data using spreadsheet tools; basic web page construction using HTML and style-sheets; representing and manipulating information on the web using a scripting language.</p> | | | | | | | | |
| Objectives: | <p>On completion of this subject you should be able to:</p> <ul style="list-style-type: none"> # Apply the fundamental concepts of the Informatics discipline # Manipulate large data sets in various domains # Solve practical data management tasks using ICT tools # Manipulate live web-based data | | | | | | | | |

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| | <ul style="list-style-type: none"> # Communicate information effectively using Informatics tools # Appreciate the social implications of computing. |
| Assessment: | A three-stage project (60%) expected to take 48 hours, with stages due at the end of each third of the semester (approximately weeks 4, 8, and 12) About half of the project is to be done individually and the rest in groups Some assessment may take place in workshops An additional assessment component is a 2-hour written examination in the examination period (40%) To pass the subject, students must obtain at least 50% overall 30/60 for the project work And 20/40 for the end-of-semester written examination |
| Prescribed Texts: | None |
| Breadth Options: | <p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2012/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2012/B-COM) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2012/B-MUS) <p>You should visit learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p> |
| Fees Information: | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| Generic Skills: | <p>Upon completion of this subject you should have developed the following generic skills</p> <ul style="list-style-type: none"> # An ability analyse and solve real-world problems with computers # Provide clear and constructive critique of other students' work # Synthesise information and communicate results effectively # Work effectively as a member of a project team |
| Related Majors/Minors/Specialisations: | Science credit subjects* for pre-2008 BSc, BAsC and combined degree science courses Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED. |
| Related Breadth Track(s): | Working with Information |