# COMP40021 Advanced Studies in Computing 4B

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| **Credit Points:** | 12.5 |
| **Level:** | 4 (Undergraduate) |
| **Dates & Locations:** | 2016, Parkville<br><br>This subject commences in the following study period/s:<br>Summer Term, Parkville - Taught on campus.<br>Semester 1, Parkville - Taught on campus.<br>Semester 2, Parkville - Taught on campus. |
| **Time Commitment:** | Contact Hours: Students are required to attend regular meetings with their supervisor. Total Time Commitment: 200 hours |
| **Prerequisites:** | Permission required from the Head of Department in Computing and Information Systems to enrol in this subject. |

| Subject | Study Period Commencement: | Credit Points: |
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| COMP20007 Design of Algorithms | Semester 1 | 12.50 |

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| **Corequisites:** | None |
| **Recommended Background Knowledge:** | None |
| **Non Allowed Subjects:** | None |
| **Core Participation Requirements:** | <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: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a></p> |
| **Coordinator:** | Prof James Bailey |
| **Contact:** | A/Prof James Bailey<br><br>email: **baileyj@unimelb.edu.au (mailto:baileyj@unimelb.edu.au)**<br><br>Please note: The coordinator of the subject may not be the supervisor of the project. |
| **Subject Overview:** | The subject consists of advanced studies in computing covering material which is not otherwise available to the student. The details of the topics covered will depend on the course of study selected and may involve substantial system development. |
| **Learning Outcomes:** | On completion of this subject; students should have:<br><br>   # Broadened and deepened their knowledge of modern computing concepts and techniques. |
| **Assessment:** | One project proposal of approximately 500 words in week 3, requiring approximately 10 - 13 hours of work (10%) An oral presentation at the end of semester, end of semester, requiring approximately 10 - 13 hours of work (10%) One written report of approximately 6000 words due in week 12, requiring approximately 75 - 80 hours of work (80%). |

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| **Prescribed Texts:** | None |
| **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 the student is expected to:<br><br># Have intellectual curiosity and creativity, including understanding of the philosophical and methodological bases of research active<br># Be able to undertake problem identification, formulation and solution<br># Have a capacity for independent critical thought, rational inquiry and self-directed learning<br># Have a profound respect for truth and intellectual integrity, and for the ethics of scholarship. |
| **Notes:** | This subject may only be taken with permission of the Head of Department of Computing and Information Systems. |