

431-691 Advanced Topics in Signals and Systems

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| Credit Points: | 12.50 |
| Level: | 9 (Graduate/Postgraduate) |
| Dates & Locations: | This subject is not offered in 2009. |
| Time Commitment: | Contact Hours: 24 hours; Non-contact time commitment: 96 hours Total Time Commitment: Not available |
| Prerequisites: | None |
| Corequisites: | None |
| Recommended Background Knowledge: | None |
| Non Allowed Subjects: | None |
| 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> |
| Subject Overview: | The subject will cover the relevant fundamentals from control and/or signal processing theory, and the way these fundamentals are applied in the design of complex engineering systems. |
| Objectives: | The aim of this subject is to provide students with exposure to a current research topic in the broad area of signals and systems. |
| Assessment: | Continuous assessment (40%) to the equivalent of 3-hours writing time. Final Exam 3 hours worth 60%. Students are required to pass the final examination in order to pass the subject as a whole. |
| 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: | <ol style="list-style-type: none"> 1. ability to apply knowledge of basic science and engineering fundamentals; 2. in-depth technical competence in at least one engineering discipline ability to undertake problem identification, formulation and solution; 3. ability to utilise a systems approach to design and operational performance 4. expectation of the need to undertake lifelong learning, capacity to do so 5. capacity for independent critical thought, rational inquiry and self-directed learning 6. intellectual curiosity and creativity, including understanding of the philosophical and methodological bases of research activity 7. openness to new ideas and unconventional critiques of received wisdom 8. profound respect for truth and intellectual integrity, and for the ethics of scholarship |
| Related Course(s): | Ph.D.- Engineering |