COMP90017 Sensor Networks and Applications

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 3 hours contact per week. Total Time Commitment: 120 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
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: http://services.unimelb.edu.au/disability
Contact:	email: **etanin@unimelb.edu.au (mailto:etanin@unimelb.edu.au)**
Subject Overview:	Sensor networks are a key component of today’s increasingly pervasive computing technologies. In this subject, we aim to develop an understanding of sensor network technologies from three different perspectives: sensing, communication, and computing (including hardware, software, and algorithms) and their applications.
Objectives:	On successful completion students should have: # Develop an understanding of sensor network technologies from three different perspectives: sensing, communication, and computing (including hardware, software, and algorithms) and their applications # Discuss and present new sensor network technologies in oral and written form
Assessment:	One project requiring 30 hours (worth 20%) due around week 12. One 10 minute presentation and a term paper (1000 words) which together worth 20% due in week 10 or 11. One 3-hour examination (worth 60%), held at the end of semester. ILO 1 is assessed by all the components. ILO 2 is assessed by the project and term presentation/paper components. All components should be completed satisfactorily to obtain a passing mark in this subject.
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 students should: # Ability to undertake problem identification, formulation and solution # Capacity for independent critical thought, rational inquiry and self-directed learning

	# Profound respect for truth and intellectual integrity, and for the ethics of scholarship
Related Course(s):	Master of Engineering in Distributed Computing Master of Information Technology Master of Information Technology Master of Information Technology Master of Philosophy - Engineering Master of Science (Computer Science) Master of Software Systems Engineering Ph.D.- Engineering
Related Majors/Minors/ Specialisations:	Computer Science Master of Engineering (Software)