

431-632 Current Research Topics 2

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 3 hours per week; Non-contact time commitment: 84 hours Total Time Commitment: Not available
Prerequisites:	Subject to interview with course coordinator
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:	<p>This subject covers the basic areas of optical broadband access networks and wireless-over-fibre technologies.</p> <p>The topics covered include:</p> <ul style="list-style-type: none"> # Fundamentals of optical network elements # Optical local area networks # Active Ethernet # Ethernet passive optical networks (EPON) # Proposals for 10 Gb/s EPON standardisation # Gigabit-capable passive optical networks (GPON) and long-reach GPON # Local area network (LAN) emulation and protection capabilities in PON # Wavelength-division-multiplexed PON (WDM PON) # Wireless-over-fibre architectures and technologies
Assessment:	An examination (50%) and progressive assessment (50%). To pass the subject as a whole a student must obtain a result of 50% or more in the final examination.
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
Notes:	This subject may not be offered every year.
Related Course(s):	Master of Telecommunications Engineering