421-629 Energy Efficiency Technology

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: Twenty-four hours of lectures and twelve hours of set tasks; Non-contact time commitment: 84hours Total Time Commitment: Not available
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
Coordinator:	Dr Lu Aye
Contact:	Dr Lu Aye Department of Civil and Environmental Engineering Tel: +61 3 8344 6879 Email: lua@unimelb.edu.au
Subject Overview:	Potential for improvements in energy efficiency in gasoline and diesel vehicle, oil refinery system; energy efficiency technologies for the manufacturing, commercial and domestic sectors; demand side management; integrated resource planning; energy auditing; and economics and environmental impacts.
Objectives:	On successful completion students should understand: # the basic issues in energy efficient technologies and their implementation; # the current possibilities for improving the ratio of energy used per unit of output in the main sectors of society, ie. transportation, manufacturing, commercial, domestic, energy supply industries; # the economic and environmental implications for the adaption of these technologies.
Assessment:	One 2-hour examination (50% weighting) and one assignment of up to 2,500 words or equivalent (50% weighting).
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:	Information Not Available

Related Course(s):	Graduate Diploma in Engineering (Energy Engineering) Master of Development Technologies Master of Energy Studies Master of Engineering Project Management Master of Engineering Science (Development Technologies) Master of Engineering Science (Energy Studies) Master of Engineering Structures Master of Water Resource Management