421-602 Air Quality Control

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 36 hours lectures, 12 hours set tasks; Non-contact time commitment: 84 hours 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:	Lu Aye
Subject Overview:	Sources of atmospheric pollutants; concentration and dispersion of pollutants; measurement of atmospheric pollutants; methods of prevention of production of pollutants; methods of control of emission of pollutants; sampling and analysis; monitoring processes and protocols; modelling of dispersion. Pollutants include light, noise and matter.
Assessment:	One 2-hour examination (50%). One assignment of up to 2,000 words (40%), and tasks (10%).
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 successful completion, students should have: # an understanding of the sources and effects of concentrations and reactions of atmospheric pollutants # an understanding of the measurement and control of anthropogenic pollutants # knowledge of the technical aspects of determining sources, measuring outputs and assessing control of atmospheric pollutants # an understanding of sampling and analytical techniques for quantifying atmospheric pollution # an understanding of monitoring processes # proficiency in applying modelling techniques to the dispersal of atmospheric pollutants
Notes:	Safety boots required for site visits.
Related Course(s):	Master of Development Technologies Master of Energy Studies Master of Engineering Project Management

	Master of Engineering Structures Master of Environmental Engineering Master of Utilities Management Master of Water Resource Management