ENEN90005 Environmental Management ISO 14000

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 36 hours of lectures; two site visits Total Time Commitment: 120 hours per semester
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	An Engineering undergraduate degree
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	The history of EMS from Demming Wheel to ISO 14000 series; the elements of an EMS; Systems audit and review and gap analysis; Legal requirements, due diligence document control, liability and ISO 9000 review; Regulation, accreditation; Community consultation.
Objectives:	On successful completion, students should be able to: # Describe the evolution of environmental management systems # Compare the role of environmental management systems to other management systems # Identify production processes and likely risks to the environment embodied in such processes # Describe the detailed structure and role of ISO 14000 standards # Use risk management standards to assist in writing EMS's # Write an EMS manual for a particular business # Conduct a process audit # Conduct an EMS audit
Assessment:	Four assignments totalling 5,000 words equivalent. Specific details will be confirmed at start of semester. Approximate details are:500 word assignment due about week 4 (5%)2000 word assignment due about week 7 (35%)2000 word assignment due about week 10 (40%)500 word assignment due week 12 (20%)

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 have developed the following generic skills: # Ability to apply knowledge of basic science and engineering fundamentals # In-depth technical competence in at least one engineering discipline # Ability to undertake problem identification, formulation and solution # Ability to utilise a systems approach to design and operational performance # Capacity for independent critical thought, rational inquiry and self-directed learning # Ability to communicate effectively both with the engineering team and the community at large
Notes:	Safety boots are required for site visits
Related Course(s):	Graduate Certificate in Engineering (Environmental Engineering) Master of Energy Studies Master of Environment Master of Environment Master of Environmental Engineering Master of Environmental Engineering Master of Water Resource Management Master of Water Resource Management Postgraduate Certificate in Engineering Postgraduate Certificate in Environment Postgraduate Diploma in Environment
Related Majors/Minors/ Specialisations:	Climate Change Energy Studies Governance, Policy and Communication Waste Management