

## 421-619 Energy for Sustainable Development

<b>Credit Points:</b>	12.500
<b>Level:</b>	Graduate/Postgraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 36 hours lectures and 12 hours set tasks; Non-contact time commitment: 84 hours Total Time Commitment: Not available
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt;         &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>
<b>Coordinator:</b>	Lu Aye
<b>Subject Overview:</b>	Assessment of global resources of fossil fuels and renewable energy sources; an introduction to the types of energy carriers and the implications of their development, particularly for urban dwellers; selection criteria for the large range of small scale renewable energy technologies for use in rural areas.
<b>Assessment:</b>	One-2 hour examination (50%). One assignment of up to 2,500 words equivalent (50%).
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>On successful completion, students should have developed:</p> <ul style="list-style-type: none"> <li># an understanding of the importance of energy sources and systems in the development process</li> <li># an appreciation of the conflicting outcomes arising from the need for increased energy use in most developing countries and the global and local needs for sustainability and minimal environmental impact</li> <li># familiarity with and capable of using a simple model when assessing energy needs</li> <li># an understanding of the factors which lead to making an informed choice between energy technologies, particularly for rural areas</li> </ul>
<b>Related Course(s):</b>	Master of Development Studies(CWT) Master of Development Technologies Master of Energy Studies Master of Engineering Management Master of Engineering Project Management Master of Engineering Science (Development Technologies) Master of Engineering Science (Engineering Management)

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