# ATOC90002 Climate Affairs

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| **Credit Points:** | 12.5 |
| **Level:** | 9 (Graduate/Postgraduate) |
| **Dates & Locations:** | 2015, Parkville<br>This subject commences in the following study period/s:<br>Semester 2, Parkville - Taught on campus. |
| **Time Commitment:** | Contact Hours: One 2-hour lecture and one 2-hour tutorial per week Total Time Commitment: Estimated Total Time Commitment - 170 hours |
| **Prerequisites:** | None |
| **Corequisites:** | None |
| **Recommended Background Knowledge:** | None |
| **Non Allowed Subjects:** | None |
| **Core Participation Requirements:** | It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit. |
| **Coordinator:** | Dr Robyn Schofield |
| **Contact:** | Email: **robyn.schofield@unimelb.edu.au (mailto:robyn.schofield@unimelb.edu.au)** |
| **Subject Overview:** | Climate change is one of the most important environmental issues facing the world today. This subject will cover the basics of climate science, including climate change and climate variability, extremes, and climate prediction. This will be accompanied by an analysis of climate impacts on society, ecosystems and economies. Knowledge about the climate system in order to make sound decisions will be analysed. Climate policy and law at the national level (eg National Greenhouse Strategy) and international level (e.g., UN conventions) will be discussed. The relevance to societies, people and the environment will be covered under the umbrella topic of climate ethics, including issues such as potential winners and losers from climate change, intergenerational equity and instruments of protection. |
| **Learning Outcomes:** | On successful completion of this subject students should be able to:<br># Explain the climate system, its complexity and variability across a range of time-scales<br># Explain the greenhouse effect and its relation to longer term climate variations and climate chang<br># Apply these principles to describe climate change, feedbacks and impacts on human and natural systems<br># Critique climate science presented in scientific peer-reviewed literature and the media<br># Debate differing ethical, cultural and international perspectives and policy options pertaining to climate issues |
| **Assessment:** | Practical work and team based activities will be key parts of the subject and the assessment process. Assessment is expected to be based approximately on the following: Review paper (2500 words) and presentation in class 30% (due week 11 and 13) Team projects (output delivered in class) 35% (due week 4 and week 12) Practical assignment(s) 35% (regularly throughout semester) |
| **Prescribed Texts:** | TBA |

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| **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:** | Upon successful completion of this subject students should have obtained the following skills:<br># Demonstrate advanced independent critical enquiry and analysis<br># Apply a strong sense of intellectual integrity and ethics of scholarship<br># Produce high level writing and communication<br># Be critical and creative thinkers, with an aptitude for continued self-directed learning<br># To examine critically, synthesise and evaluate knowledge across a broad range of disciplines<br># Generate constructive change in their communities, including professions and workplaces |
| **Links to further information:** | http://graduate.science.unimelb.edu.au/master-of-science-earth-sciences |
| **Related Course(s):** | Master of Urban Planning |
| **Related Majors/Minors/ Specialisations:** | Climate Change<br>Climate Change<br>Environmental Science<br>Environmental Science<br>Honours Program - Earth Sciences<br>Integrated Water Catchment Management<br>Integrated Water Catchment Management<br>Sustainable Cities, Sustainable Regions<br>Sustainable Cities, Sustainable Regions<br>Sustainable Forests<br>Sustainable Forests<br>Tailored Specialisation<br>Tailored Specialisation |