

625-307 Hydrogeology & Environmental Management

| | |
|--|---|
| Credit Points: | 12.500 |
| Level: | Undergraduate |
| Dates & Locations: | 2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. |
| Time Commitment: | Contact Hours: Between 20 and 24 hours of lectures (two per week), 20 hours of practicals (two hours per week) and a field excursion (half day) Total Time Commitment: Not available |
| Prerequisites: | At least 25 points from Earth sciences 625-202, 625-222, 625-223 and [03]600-201 are recommended. |
| Corequisites: | None |
| Recommended Background Knowledge: | None |
| Non Allowed Subjects: | None |
| Core Participation Requirements: | <p><p>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.</p> <p>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</p></p> |
| Coordinator: | Dr Charles Lawrence |
| Subject Overview: | This subject will introduce students to the principles of groundwater flow in aquifer systems, how we use groundwater resources, and processes by which these resources are protected, contaminated and restored. Topics covered include: an introduction to how groundwater flows in steady state and transient environments; controls on groundwater quality; principles of contaminant movement and transformation in groundwater; and prevention, management and remedial strategies to minimise the potential impacts of human activities. After taking this subject, students should have an understanding of the basic principles of groundwater flow, how groundwater quality can be affected, sources and chemical behaviour of common contaminants in groundwater, and the management and clean-up of contaminated groundwater. |
| Assessment: | Four practical assignments totalling up to 3000 words due during the semester (total 40% - individual weighting of each assignment is announced in the first week of class); a 2-hour written examination in the examination period (60%). |
| Prescribed Texts: | None |
| Breadth Options: | This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008. This subject or an equivalent will be available as breadth in the future. Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available. 2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October. |
| Fees Information: | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| Notes: | This subject is available for science credit to students enrolled in the BSc (pre-2008 degree only), BAsc or a combined BSc course. |

| | |
|---------------------------|--|
| Related Course(s): | Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Science |
|---------------------------|--|