

# Ecology

| <b>Year and Campus:</b>                          | 2010   |                |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
|--|--|----------------|----------------------------|----------------|---------------------------------------|----------|-------|------------------------------------|------------|-------|--|------------|-------|---|------------|-------|---------------------------|------------|-------|--|------------|-------|--------------------------------|------------|----|
| <b>Coordinator:</b>                              | .  |                |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| <b>Contact:</b>                                  | <b>Email (<a href="http://studentadmin-unimelb.custhelp.com/cgi-bin/studentadmin_unimelb.cfg/php/enduser/ask.php?&amp;p_srch=1&amp;p_icf_47=945">http://studentadmin-unimelb.custhelp.com/cgi-bin/studentadmin_unimelb.cfg/php/enduser/ask.php?&amp;p_srch=1&amp;p_icf_47=945</a>)</b> the Science Student Centre  |                |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| <b>Overview:</b>                                 | Major study in <b>Ecology</b> .  |                |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| <b>Objectives:</b>                               | The Ecology major will provide the springboard for students in entering careers or research in the following areas: Ecology, Conservation Biology, Animal Behaviour, Evolutionary Biology, Systematic and Biodiversity, Environmental Consulting. Graduates will be prepared for these pathways by developing skills in survey, experimentation and modelling of ecological and evolutionary processes, which are crucial to being prepared to make contributions in research, education or in consulting roles in natural resources management and environmental consulting industries. This major will integrate knowledge from a range of disciplines from genetics through organismal biology to ecosystem science, by enabling students to complete a sequence of specialist subjects in each, as well as integrated subjects in which the students develop an understanding of the application of ecological methods to solving current problems in evolution, ecology and biodiversity. Students will gain experience preparing them for the workplace by participating in group research projects and working groups.  |                |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| <b>Structure &amp; Available Subjects:</b>       | In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.   |                |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| <b>Subject Options:</b>                          | <p><b>Ecology major</b></p> <p>Completion of 50 points of study at third year level.</p> <p>Subjects selected from:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ZOOL30008 Experimental Marine Zoology</td> <td>February</td> <td>12.50</td> </tr> <tr> <td>BOTA30003 Functional Plant Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ECOL30006 Ecology in Changing Environments</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOG30022 Rivers: Hydrology and Ecology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ECOL30005 Applied Ecology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>BOTA30004 Vegetation Management and Conservation</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ENST30001 Environmental Change</td> <td>Semester 2</td> <td>25</td> </tr> </tbody> </table> <p># 121-033 Rivers: Hydrology and Ecology (Prior to 2010)<br/> # 121-306 Applied Ecology (Prior to 2010)<br/> # 654-302 Experimental Marine Ecology (Prior to 2010)<br/> # 654-312 Marine Ecology (Prior to 2010)<br/> # 654-313 Ecology in Changing Environments (Prior to 2010)</p> <p>Please note that credit exclusions may apply. Check individual subject descriptions for further information.</p> | Subject        | Study Period Commencement: | Credit Points: | ZOOL30008 Experimental Marine Zoology | February | 12.50 | BOTA30003 Functional Plant Biology | Semester 1 | 12.50 | ECOL30006 Ecology in Changing Environments | Semester 1 | 12.50 | GEOG30022 Rivers: Hydrology and Ecology | Semester 1 | 12.50 | ECOL30005 Applied Ecology | Semester 2 | 12.50 | BOTA30004 Vegetation Management and Conservation | Semester 2 | 12.50 | ENST30001 Environmental Change | Semester 2 | 25 |
| Subject  | Study Period Commencement:   | Credit Points: |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| ZOOL30008 Experimental Marine Zoology            | February   | 12.50          |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| BOTA30003 Functional Plant Biology               | Semester 1   | 12.50          |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| ECOL30006 Ecology in Changing Environments       | Semester 1   | 12.50          |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| GEOG30022 Rivers: Hydrology and Ecology          | Semester 1   | 12.50          |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| ECOL30005 Applied Ecology                        | Semester 2   | 12.50          |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| BOTA30004 Vegetation Management and Conservation | Semester 2   | 12.50          |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |
| ENST30001 Environmental Change                   | Semester 2   | 25             |                            |                |                                       |          |       |                                    |            |       |  |            |       |   |            |       |                           |            |       |  |            |       |                                |            |    |

**Related Course(s):**

Bachelor of Arts and Bachelor of Science  
Bachelor of Arts and Sciences  
Bachelor of Commerce and Bachelor of Science  
Bachelor of Science  
Bachelor of Science and Bachelor of Information Systems