

# Botany

<b>Year and Campus:</b>	2015																					
<b>Coordinator:</b>	Dr Mike Bayly																					
<b>Contact:</b>	Email: <a href="mailto:mbayly@unimelb.edu.au">mbayly@unimelb.edu.au</a> ( <a href="mailto:mbayly@unimelb.edu.au">mailto:mbayly@unimelb.edu.au</a> )																					
<b>Overview:</b>	The coursework and research components of this Graduate Diploma in Science (Advanced) enable students to further their knowledge in areas of cellular and molecular biology, systematics and evolution, plant ecology and physiology, and plant pathology.																					
<b>Learning Outcomes:</b>	The program in Botany aims to provide students with skills in original research in plant science and help students develop a capacity for critical thinking and evaluation of information. The course also strives to instil in students a knowledge of a wide area of plant sciences, and to enhance their communication skills.																					
<b>Structure &amp; Available Subjects:</b>	Research Project (75 points); Coursework (25 points); OR Coursework (100 points).																					
<b>Subject Options:</b>	<p><b>Subject prerequisites:</b> For stream specific requirements please <a href="http://science.unimelb.edu.au/available-stream-requirements%20">click here (http://science.unimelb.edu.au/available-stream-requirements%20)</a> .</p> <p><b>Coursework/Research Option</b></p> <p><b>COURSEWORK SUBJECTS</b></p> <p>Students must enrol in two coursework subjects from the list below in consultation with the Course Coordinator:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOL90001 Microscopy for Biological Sciences</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>EVSC90017 Global Environmental Change</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BOTA90005 Flora of Victoria</td> <td>February</td> <td>12.50</td> </tr> <tr> <td>SCIE90002 Metabolomics and Proteomics</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>OR one third-year Botany subject for which credit has not already been given; OR an alternative postgraduate coursework elective may be chosen if core knowledge is required.</p> <p>-</p> <p><b>RESEARCH PROJECT</b></p> <p>Over the course of the year students will undertake an original, supervised research project. Students will be expected to obtain agreement from a supervisor willing to supervise the research project as a condition of selection into the program. The research component assessment includes a literature review, a thesis and a seminar.</p> <p>Students enrol in a total of 75 points of research project across the duration of the Graduate Diploma in Science (Advanced) program. This is achieved by enrolling in a combination of the following subjects in appropriate semesters to achieve a total 75 credit points.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BOTA40001 Botany Research Project</td> <td>Semester 1, Semester 2</td> <td>37.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	BIOL90001 Microscopy for Biological Sciences	Semester 1	12.50	EVSC90017 Global Environmental Change	Semester 1	12.50	BOTA90005 Flora of Victoria	February	12.50	SCIE90002 Metabolomics and Proteomics	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	BOTA40001 Botany Research Project	Semester 1, Semester 2	37.50
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BOTA40006 Botany Research Project	Semester 1, Semester 2	25
BOTA40007 Botany Research Project	Semester 1, Semester 2	50

### Coursework only option

Students must enrol in eight 12.5 point subjects from either:

Subject	Study Period Commencement:	Credit Points:
BIOL90001 Microscopy for Biological Sciences	Semester 1	12.50
BIOL90002 Biometry	July	12.50
BOTA90005 Flora of Victoria	February	12.50
BTCH90005 Advanced Molecular Biology Techniques	Semester 2	12.50
EVSC90017 Global Environmental Change	Semester 1	12.50
SCIE90002 Metabolomics and Proteomics	Semester 2	12.50

or subjects available within the following programs:

- **Master of Biotechnology** ([../view/current/MC-SCIBIT](#)) ;
- **The Office for Environmental Programs** ([http://environment.unimelb.edu.au/courses/available\\_subjects/subject\\_list](http://environment.unimelb.edu.au/courses/available_subjects/subject_list)) ; and
- **Master of Forest Ecosystem Science** ([../view/current/MC-FRSTES](#)) .

Subjects will be selected in consultation with the coordinator of the School's Masters program.

\*Where appropriate, a student may complete up to two 300 level subjects

<b>Links to further information:</b>	<a href="https://graduate.science.unimelb.edu.au">https://graduate.science.unimelb.edu.au</a>
<b>Notes:</b>	This program has a start-year and a mid-year intake.
<b>Related Course(s):</b>	Graduate Diploma in Science (Advanced)