

# Plant Cell Biology and Development (specialisation of Cell and Developmental Biology major)

| <b>Year and Campus:</b>                            | 2016   |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
|--|--|----------------|--|---------|----------------------------|----------------|--|------------|-------|--|------------|-------|---|------------|-------|---------|----------------------------|----------------|---|------------|-------|---|-------------------------------------|-------|-------------------------------------|------------|-------|--|------------|-------|--|------------|-------|------------------------------------|-------------------------------------|-------|--|------------|-------|
| <b>Coordinator:</b>                                | See Cell and Developmental Biology major   |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Contact:</b>                                    | See Cell and Developmental Biology major   |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Overview:</b>                                   | Plant Cell Biology and Development specialisation within the Cell and Developmental Biology major  |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Learning Outcomes:</b>                          | See Cell and Developmental Biology major   |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Structure &amp; Available Subjects:</b>         | Completion of 50 points of study at Level 3.   |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Subject Options:</b>                            | <p>All three of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CEDB30002 Concepts in Cell &amp; Developmental Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BOTA30003 Environmental Plant Physiology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BOTA30005 Plant Molecular Biology &amp; Biotechnology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one elective 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>BCMB30003 Molecular Aspects of Cell Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BIOM30003 Biomedical Science Research Project</td> <td>Summer Term, Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>BTCH30003 Biotechnology in Practice</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GENE30001 Evolutionary Genetics and Genomics</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GENE30002 Genes: Organisation and Function</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>SCIE30001 Science Research Project</td> <td>Summer Term, Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>CEDB30004 Stem Cells in Development &amp; Regeneration</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> |                |  | Subject | Study Period Commencement: | Credit Points: | CEDB30002 Concepts in Cell & Developmental Biology | Semester 1 | 12.50 | BOTA30003 Environmental Plant Physiology | Semester 1 | 12.50 | BOTA30005 Plant Molecular Biology & Biotechnology | Semester 2 | 12.50 | Subject | Study Period Commencement: | Credit Points: | BCMB30003 Molecular Aspects of Cell Biology | Semester 1 | 12.50 | BIOM30003 Biomedical Science Research Project | Summer Term, Semester 1, Semester 2 | 12.50 | BTCH30003 Biotechnology in Practice | Semester 1 | 12.50 | GENE30001 Evolutionary Genetics and Genomics | Semester 1 | 12.50 | GENE30002 Genes: Organisation and Function | Semester 1 | 12.50 | SCIE30001 Science Research Project | Summer Term, Semester 1, Semester 2 | 12.50 | CEDB30004 Stem Cells in Development & Regeneration | Semester 2 | 12.50 |
| Subject  | Study Period Commencement:   | Credit Points: |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| CEDB30002 Concepts in Cell & Developmental Biology | Semester 1   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| BOTA30003 Environmental Plant Physiology           | Semester 1   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| BOTA30005 Plant Molecular Biology & Biotechnology  | Semester 2   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| Subject  | Study Period Commencement:   | Credit Points: |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| BCMB30003 Molecular Aspects of Cell Biology        | Semester 1   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| BIOM30003 Biomedical Science Research Project      | Summer Term, Semester 1, Semester 2  | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| BTCH30003 Biotechnology in Practice                | Semester 1   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| GENE30001 Evolutionary Genetics and Genomics       | Semester 1   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| GENE30002 Genes: Organisation and Function         | Semester 1   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| SCIE30001 Science Research Project                 | Summer Term, Semester 1, Semester 2  | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| CEDB30004 Stem Cells in Development & Regeneration | Semester 2   | 12.50          |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Notes:</b>                                      | Students seeking to undertake an elective not listed above must first contact Dr Robb De longh or Assoc Prof Ed Newbiggin to obtain approval.  |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |
| <b>Related Majors/Minors/Specialisations:</b>      | Cell and Developmental Biology   |                |  |         |                            |                |  |            |       |  |            |       |   |            |       |         |                            |                |   |            |       |   |                                     |       |                                     |            |       |  |            |       |  |            |       |                                    |                                     |       |  |            |       |