

## BIEN90003 Biomolecular Engineering Minor Thesis

| <b>Credit Points:</b>                               | 25   |                |                            |                |   |                                     |    |
|---|--|----------------|----------------------------|----------------|---|-------------------------------------|----|
| <b>Level:</b>                                       | 9 (Graduate/Postgraduate)  |                |                            |                |   |                                     |    |
| <b>Dates &amp; Locations:</b>                       | This subject is not offered in 2011.   |                |                            |                |   |                                     |    |
| <b>Time Commitment:</b>                             | Contact Hours: Seventy-two hours of supervised research Total Time Commitment: 120 hours   |                |                            |                |   |                                     |    |
| <b>Prerequisites:</b>                               | Students must have achieved a grade of at least 75% in the following subject <table border="1" data-bbox="387 434 1485 611"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIEN90001 Biomolecular Engineering Research Project</td> <td>Summer Term, Semester 1, Semester 2</td> <td>25</td> </tr> </tbody> </table>   | Subject        | Study Period Commencement: | Credit Points: | BIEN90001 Biomolecular Engineering Research Project | Summer Term, Semester 1, Semester 2 | 25 |
| Subject   | Study Period Commencement:   | Credit Points: |                            |                |   |                                     |    |
| BIEN90001 Biomolecular Engineering Research Project | Summer Term, Semester 1, Semester 2  | 25             |                            |                |   |                                     |    |
| <b>Corequisites:</b>                                | None   |                |                            |                |   |                                     |    |
| <b>Recommended Background Knowledge:</b>            | None   |                |                            |                |   |                                     |    |
| <b>Non Allowed Subjects:</b>                        | Credit will not be obtained for both this subject and the following subject <table border="1" data-bbox="387 808 1485 958"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEN90030 Chemical Engineering Minor Thesis</td> <td>Not offered 2011</td> <td>25</td> </tr> </tbody> </table>   | Subject        | Study Period Commencement: | Credit Points: | CHEN90030 Chemical Engineering Minor Thesis         | Not offered 2011                    | 25 |
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| CHEN90030 Chemical Engineering Minor Thesis         | Not offered 2011   | 25             |                            |                |   |                                     |    |
| <b>Core Participation Requirements:</b>             | For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a> |                |                            |                |   |                                     |    |
| <b>Contact:</b>                                     | Malcolm Davidson<br>Email: <a href="mailto:m.davidson@unimelb.edu.au">m.davidson@unimelb.edu.au</a> ( <a href="mailto:m.davidson@unimelb.edu.au">mailto:m.davidson@unimelb.edu.au</a> )  |                |                            |                |   |                                     |    |
| <b>Subject Overview:</b>                            | Candidates will undertake as individuals a high level investigative research project which could involve a critical literature review, experimental research and/or development, theoretical modelling, process simulation and/or the solution of an industrial problem. Rigorous planning and scheduling of the project, time management, technical communication, interpretation of results and team work will be required   |                |                            |                |   |                                     |    |
| <b>Objectives:</b>                                  | <ul style="list-style-type: none"> <li># Develop expertise in the methodologies of research in Chemical Engineering</li> <li># Plan and conduct an individual research project</li> <li># Present in writing and orally the results of their research</li> </ul>   |                |                            |                |   |                                     |    |
| <b>Assessment:</b>                                  | A written report of approximately 60 pages with associated diagrams and computations contributing 50% to the total assessment, along with an oral presentation (25%) and an assessment of the quality of the research work (25%).  |                |                            |                |   |                                     |    |
| <b>Prescribed Texts:</b>                            | NA   |                |                            |                |   |                                     |    |
| <b>Breadth Options:</b>                             | This subject is not available as a breadth subject.  |                |                            |                |   |                                     |    |
| <b>Fees Information:</b>                            | Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>  |                |                            |                |   |                                     |    |
| <b>Generic Skills:</b>                              | <ul style="list-style-type: none"> <li># The ability to undertake problem identification, formulation and solution</li> <li># Capacity for independent thought</li> </ul>  |                |                            |                |   |                                     |    |

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|--|---|
|  | # The ability to communicate effectively orally and in writing<br># The ability to plan work and use time effectively |
| <b>Related Majors/Minors/<br/>Specialisations:</b> | Master of Engineering (Biomolecular)  |