

## COURSE SPECIFICATION FORM

<b>DEPARTMENT OF: Mathematics</b>				<b>Academic Session: 2017-18</b>	
<b>Course Code:</b>	MT3000	<b>Course Value:</b>	0.5	<b>Status:</b>	Optional
<b>Course Title:</b>	Mathematics Project			<b>Availability:</b>	Either term
<b>Prerequisites:</b>	At least 1.5 units of Mathematics taken in Year 2			<b>Recommended:</b>	none
<b>Co-ordinator:</b>	Dr Yiftach Barnea (course coordinator)				
<b>Course Staff</b>	Any member of the teaching staff, depending on topic				
<b>Aims:</b>	<p>To enable students to make a detailed investigation into one topic in mathematics.          To develop their skills in finding information from a variety of sources.          To develop their skills in writing and talking about mathematics.</p>				
<b>Learning Outcomes:</b>	<p>On completion of this course the student should</p> <ul style="list-style-type: none"> <li>• have acquired detailed knowledge of their chosen topic from several sources;</li> <li>• show understanding of how the facets of this topic fit together;</li> <li>• have written a well-constructed dissertation on this topic;</li> <li>• be able to give a well-prepared presentation on this topic.</li> </ul>				
<b>Course Content:</b>	<p>By the end of the third term of the second year the student should decide on a subject area for the project, and find a lecturer willing to act as supervisor. A guide to the areas in which members of staff are willing to supervise projects can be found from the Department's web site, or you can ask your adviser. The student must inform the course coordinator of the subject area and supervisor. In the first week of Term 1 the student should submit a title and a 2 – 3 page plan of to the Departmental Office. Based on this the course coordinator and the supervisor will agree whether the student can take the course. Students will be allowed to take the course without submitting a plan only in very special cases with the approval of the course coordinator. The results should be given in a dissertation of 7000 – 8000 words, and in a ten-minute presentation.</p>				
<b>Teaching &amp; Learning Methods:</b>	<p>The supervisor will point the student to sources of information, such as books, research papers, databases and suitable software as needed. An introduction to mathematical word processing will be given early in Term 1. There should be regular meetings with the supervisor, total 10 hours. The Department will provide advice and facilities as required to enable the student to produce a neat final version of the dissertation and visual aids for the presentation.</p> <p>Meeting with supervisor 10 hours, mathematical word processing class 2 hours, private study and preparation of dissertation and presentation 138 hours.</p>				
<b>Key Bibliography:</b>	Depends on the topic chosen by the student.				
<b>Formative Assessment &amp; Feedback:</b>	The supervisor will comment on the plan given at the start, and on one draft of the dissertation.				
<b>Summative Assessment:</b>	<p><b>Exam (%)</b> No written examination. The examiners have the right to request an oral examination of the candidate if they wish.</p> <p><b>Coursework (%)</b> 90%: Dissertation of 7000 to 8000 words.          10%: Presentation lasting 10 minutes.</p> <p><b>Deadlines:</b> Submission of dissertation: first Thursday of Term 3. Presentation: in late May.</p>				

Updated September 2017

The information contained in this course outline is correct at the time of publication, but may be subject to change as part of the Department's policy of continuous improvement and development. Every effort will be made to notify you of any such changes.