ASSESSMENT FOR PMTH431

Assessment for PMTH431 is based on the assignment problems, a project and a three-hour written examination at the end of the lecturing period.

- 40% of the marks available come from the assignment problems,
- 10% from the project and
- 50% from the examination.

ASSIGNMENT PROBLEMS

The assignment problems are intended to be the most challenging part of this course.

There are 22 assignment problems, grouped into six sets, with different numbers of problems. You will receive a mark for each problem, but not a mark for each set of assignment problems. You final mark for the assignments is obtained by dividing the total marks you obtain from all of the problems by four (4) and rounding up. Thus, you will obtain 40 marks for the assignment problems part of your final mark if you achieve a total mark of 157 for the 22 assignment problems.

The problems range from routine, standard exercises to applications of the material to other branches of mathematics, some of which are not obvious.

View the assignments as miniature research projects. They provide the opportunity to pursue independent work. Do not hesitate to seek assistance from your lecturer.

THE PROJECT

The project is devoted to a construction of the completion of a metric space, which is divided into six problems. You are strongly advised to look at this project early, commence working on the problems, early, and to return to it frequently. You will be able to make progress on parts of it. Leaving it last will cause serious difficulties.

SUBMITTING YOUR WORK

By all means work together with colleagues. If you do, make sure that the work you submit is your own. Anyone who provides you with more or less complete solutions before you have submitted your own attempts is doing you a gross disservice indeed.

Your work should be mailed to:

Assignment Section
Teaching & Learning Centre
University of New England
Armidale NSW 2351

DO NOT FAX YOUR WORK. Faxed work will not be accepted.
If you strongly prefer to scan your hand-written assignment, you may submit your assignments electronically via the University’s e-Submission system. e-Submission is accessible via UNEonline by clicking on the e-Submission link in your online unit or in the myUNE student portal.

If you type your mathematics assignments, you must use some version of TeX. If you choose to do this, L\TeX is recommended.

Make sure you keep a personal copy of anything you submit.

SUBMISSION SCHEDULE

<table>
<thead>
<tr>
<th>PROBLEMS</th>
<th>DATE DUE</th>
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<tbody>
<tr>
<td>Problems 1 – 4</td>
<td>Monday, 7\textsuperscript{th} March</td>
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<tr>
<td>Problems 5 – 8</td>
<td>Monday, 21\textsuperscript{st} March</td>
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<tr>
<td>Problems 9 – 12</td>
<td>Monday, 4\textsuperscript{th} April</td>
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<td>Problems 13 – 15</td>
<td>Friday, 22\textsuperscript{nd} April</td>
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<td>Problems 16 – 18</td>
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<td>Problems 19 – 22</td>
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<tr>
<td>The Project</td>
<td>Monday, 23\textsuperscript{rd} May</td>
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EXAMINATION

There will be a written three-hour examination at the end of the course. This will be an “open book” examination: you will be allowed to take into the examination room three (3) A4 sheets of paper. You may write on both sides, making a total of six (6) pages.

The notes, however, must be hand-written. No photo-copied notes, no printed notes, no scanned notes will be permitted.

Preparing these notes will greatly assist you in learning the subject. Start summarising the material from about the second week. If you find that your summary is too long, revise it. This forces you to think about what is essential and what is secondary. This will provide you with an overview of the material.