Unit study package code: MATH5001
Mode of study: Internal
Tuition pattern summary: Note: For any specific variations to this tuition pattern and for precise information refer to the Learning Activities section.
Project: 1 x 1 Hours Weekly
This unit does not have a fieldwork component.
Credit Value: 25.0
Pre-requisite units: Nil
Co-requisite units: Nil
Anti-requisite units: Nil
Result type: Grade/Mark
Approved incidental fees: Information about approved incidental fees can be obtained from our website. Visit fees.curtin.edu.au/incidental_fees.cfm for details.
Unit coordinator:
Title: Professor
Name: Yong Wu
Phone: +618 9266 3142
Email: Y.Wu@curtin.edu.au
Location: Building: 314 - Room: 363

Teaching Staff:

Administrative contact:
Name: Yong Wu
Phone: +618 9266 3142
Email: Y.Wu@curtin.edu.au
Location: Building: 314 - Room: 363
Acknowledgement of Country

We respectfully acknowledge the Indigenous Elders, custodians, their descendants and kin of this land past and present.

Syllabus

The planning, execution and reporting of a suitable applied research project, related to the advanced coursework undertaken by the student.

Introduction

This unit provides students the opportunity to work individually on a project in mathematics, statistics or actuarial science in some depth under the supervision of a staff member. Students should first find a faculty member willing to supervise them and decide on the topic in consultation with the project supervisor. By the end of the first week of the semester, students should submit the project registration form (with project title, weekly meeting time with the supervisor, project report submission date) to the course coordinator. It is expected that students work on the project about ten hours per week and meet with the supervisor once per week to report the project progress and discuss the project work. Students are required to submit a project report to the supervisor by Thursday of the last teaching week of the semester, and deliver a seminar during the study week of the semester.

Unit Learning Outcomes

All graduates of Curtin University achieve a set of nine graduate attributes during their course of study. These tell an employer that, through your studies, you have acquired discipline knowledge and a range of other skills and attributes which employers say would be useful in a professional setting. Each unit in your course addresses the graduate attributes through a clearly identified set of learning outcomes. They form a vital part in the process referred to as assurance of learning. The learning outcomes tell you what you are expected to know, understand or be able to do in order to be successful in this unit. Each assessment for this unit is carefully designed to test your achievement of one or more of the unit learning outcomes. On successfully completing all of the assessments you will have achieved all of these learning outcomes.

Your course has been designed so that on graduating we can say you will have achieved all of Curtin's Graduate Attributes through the assurance of learning process in each unit.

<table>
<thead>
<tr>
<th>On successful completion of this unit students can:</th>
<th>Graduate Attributes addressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Effectively plan and complete a consultancy project</td>
<td></td>
</tr>
<tr>
<td>2 Complete industry-appropriate formal reports for consulting jobs</td>
<td></td>
</tr>
<tr>
<td>3 Effectively communicate the summary and outcomes of a consulting project in a meeting</td>
<td></td>
</tr>
<tr>
<td>4 Critically analyse and solve research or/and practical problems in mathematics, statistics or actuarial science</td>
<td></td>
</tr>
</tbody>
</table>

Curtin's Graduate Attributes

- Apply discipline knowledge
- Communication skills
- International perspective (value the perspectives of others)
- Thinking skills (use analytical skills to solve problems)
- Technology skills
- Cultural understanding (value the perspectives of others)
- Information skills (confidence to investigate new ideas)
- Learning how to learn (apply principles learnt to new situations)
- Professional Skills (work independently and as a team)
- (plan own work)

Find out more about Curtin's Graduate attributes at the Office of Teaching & Learning website: ctl.curtin.edu.au
Learning Activities
Individual research on a chosen project
Meeting with the project supervisor (once per week)
Writing of a project report
Delivery of a seminar

Learning Resources
Other resources
https://link.library.curtin.edu.au/gw?url=499415

Assessment
Assessment schedule

<table>
<thead>
<tr>
<th>Task</th>
<th>Value %</th>
<th>Date Due</th>
<th>Unit Learning Outcome(s) Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Presentation</td>
<td>20 percent</td>
<td>Week: Study Week (June 6 - 10) Day: TBA Time: TBA</td>
<td>1,3,4</td>
</tr>
<tr>
<td>Project Report</td>
<td>80 percent</td>
<td>Week: Week commencing 30th May Day: 2nd June Time: 5pm</td>
<td>1,2,4</td>
</tr>
</tbody>
</table>

Detailed information on assessment tasks

1. Project Presentation (20 minutes)
2. The project report must be submitted to the project supervisor before the deadline

Pass requirements
Students must achieve a Final Mark of 50 or greater to pass this unit

Fair assessment through moderation
Moderation describes a quality assurance process to ensure that assessments are appropriate to the learning outcomes, and that student work is evaluated consistently by assessors. Minimum standards for the moderation of assessment are described in the Assessment and Student Progression Manual, available from policies.curtin.edu.au/policies/teachingandlearning.cfm

Late assessment policy
This ensures that the requirements for submission of assignments and other work to be assessed are fair, transparent, equitable, and that penalties are consistently applied.

1. All assessments students are required to submit will have a due date and time specified on this Unit Outline.
2. Students will be penalised by a deduction of ten percent per calendar day for a late assessment submission (eg a mark equivalent to 10% of the total allocated for the assessment will be deducted from the marked value for every day that the assessment is late). This means that an assessment worth 20 marks will have two marks deducted per calendar day late. Hence if it was handed in three calendar days late and given a mark of 16/20, the student would receive 10/20. An assessment more than seven calendar days overdue will not be
Assessment extension

A student unable to complete an assessment task by/on the original published date/time (eg examinations, tests) or due date/time (eg assignments) must apply for an assessment extension using the Assessment Extension form (available from the Forms page at students.curtin.edu.au/administration/) as prescribed by the Academic Registrar. It is the responsibility of the student to demonstrate and provide evidence for exceptional circumstances beyond the student’s control that prevent them from completing/submitting the assessment task.

The student will be expected to lodge the form and supporting documentation with the unit coordinator before the assessment date/time or due date/time. An application may be accepted up to five working days after the date or due date of the assessment task where the student is able to provide an acceptable explanation as to why he or she was not able to submit the application prior to the assessment date. An application for an assessment extension will not be accepted after the date of the Board of Examiners’ meeting.

Deferred assessments

If your results show that you have been granted a deferred assessment you should immediately check your OASIS email for details.

Supplementary assessments

Supplementary assessments are not available in this unit.

Referencing style

The referencing style for this unit is Chicago.

More information can be found on this style from the Library web site: http://libguides.library.curtin.edu.au/referencing.

Copyright

© Curtin University. The course material for this unit is provided to you for your own research and study only. It is subject to copyright. It is a copyright infringement to make this material available on third party websites.

Academic Integrity (including plagiarism and cheating)

Any conduct by a student that is dishonest or unfair in connection with any academic work is considered to be academic misconduct. Plagiarism and cheating are serious offences that will be investigated and may result in penalties such as reduced or zero grades, annulled units or even termination from the course.

Plagiarism occurs when work or property of another person is presented as one’s own, without appropriate acknowledgement or referencing. Submitting work which has been produced by someone else (e.g. allowing or contracting another person to do the work for which you claim authorship) is also plagiarism. Submitted work is subjected to a plagiarism detection process, which may include the use of text matching systems or interviews with students to determine authorship.

Cheating includes (but is not limited to) asking or paying someone to complete an assessment task for you or any use of unauthorised materials or assistance during an examination or test.

From Semester 1, 2016, all incoming coursework students are required to complete Curtin’s Academic Integrity Program (AIP). If a student does not pass the program by the end of their first study period of enrolment at Curtin, their marks will be withheld until they pass. More information about the AIP can be found at: https://academicintegrity.curtin.edu.au/students/AIP.cfm

Refer to the Academic Integrity tab in Blackboard or academicintegrity.curtin.edu.au for more information, including student guidelines for avoiding plagiarism.

Information and Communications Technology (ICT) Expectations
Curtin students are expected to have reliable internet access in order to connect to OASIS email and learning systems such as Blackboard and Library Services.

You may also require a computer or mobile device for preparing and submitting your work.

For general ICT assistance, in the first instance please contact OASIS Student Support:

oasisapps.curtin.edu.au/help/general/support.cfm

For specific assistance with any of the items listed below, please contact The Learning Centre:

life.curtin.edu.au/learning-support/learning_centre.htm

- Using Blackboard, the I Drive and Back-Up files
- Introduction to PowerPoint, Word and Excel

Additional information

Enrolment

It is your responsibility to ensure that your enrolment is correct - you can check your enrolment through the eStudent option on OASIS, where you can also print an Enrolment Advice.

Student Rights and Responsibilities

It is the responsibility of every student to be aware of all relevant legislation, policies and procedures relating to their rights and responsibilities as a student. These include:

- the Student Charter
- the University’s Guiding Ethical Principles
- the University’s policy and statements on plagiarism and academic integrity
- copyright principles and responsibilities
- the University’s policies on appropriate use of software and computer facilities

Information on all these things is available through the University’s "Student Rights and Responsibilities" website at:

students.curtin.edu.au/rights.

Student Equity

There are a number of factors that might disadvantage some students from participating in their studies or assessments to the best of their ability, under standard conditions. These factors may include a disability or medical condition (e.g. mental illness, chronic illness, physical or sensory disability, learning disability), significant family responsibilities, pregnancy, religious practices, living in a remote location or another reason. If you believe you may be unfairly disadvantaged on these or other grounds please contact Student Equity at eesj@curtin.edu.au or go to

http://eesj.curtin.edu.au/student_equity/index.cfm for more information

You can also contact Counselling and Disability services: http://www.disability.curtin.edu.au or the Multi-faith services: http://life.curtin.edu.au/health-and-wellbeing/about_multifaith_services.htm for further information.

It is important to note that the staff of the university may not be able to meet your needs if they are not informed of your individual circumstances so please get in touch with the appropriate service if you require assistance. For general wellbeing concerns or advice please contact Curtin's Student Wellbeing Advisory Service at:

Recent unit changes

Students are encouraged to provide unit feedback through eVALUate, Curtin’s online student feedback system. For more information about eVALUate, please refer to evaluate.curtin.edu.au/info/.

Recent changes to this unit include:

Nil
### Program calendar

#### Program Calendar – Semester 1 2016

<table>
<thead>
<tr>
<th>Week</th>
<th>Begin Date</th>
<th>Key Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation</td>
<td>22 February</td>
<td>Orientation Week</td>
</tr>
<tr>
<td>1.</td>
<td>29 February</td>
<td>Submission of completed Project Registration Form to Course Coordinator by 5pm Friday 4th March</td>
</tr>
<tr>
<td>2.</td>
<td>7 March</td>
<td></td>
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<tr>
<td>3.</td>
<td>14 March</td>
<td></td>
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<tr>
<td>4.</td>
<td>21 March</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>28 March</td>
<td>Tuition Free Week</td>
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<tr>
<td>6.</td>
<td>4 April</td>
<td></td>
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<tr>
<td>7.</td>
<td>11 April</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>18 April</td>
<td>Tuition Free Week</td>
</tr>
<tr>
<td>9.</td>
<td>25 April</td>
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<tr>
<td>10.</td>
<td>2 May</td>
<td></td>
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<tr>
<td>11.</td>
<td>9 May</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>16 May</td>
<td></td>
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<tr>
<td>13.</td>
<td>23 May</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>30 May</td>
<td>Submission of Project Report to Supervisor by 5pm Thursday 2nd June</td>
</tr>
<tr>
<td>15.</td>
<td>6 June</td>
<td>Seminars</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(presentation schedule will be announced in week 14)</td>
</tr>
<tr>
<td>16.</td>
<td>13 June</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>20 June</td>
<td></td>
</tr>
</tbody>
</table>

Students are expected to work on the project about ten hours per week and meet with the supervisor once per week to report the project progress and discuss project work.