

University of Wollongong
School of Mathematics and Applied Statistics

General Information Sheet for
MATH235 Mathematics Project A / STAT 235 Statistics Project A
MATH345 Mathematics Project B / STAT345 Statistics Project B

Autumn Session / Spring Session 2008
Wollongong Campus

Delivery mode: Face-to-face

Subject Coordinator:

Dr James McCoy (Room 15.G28)

Email: jamesm@uow.edu.au

Phone: 4221-5189

Consultation: by appointment

Subject Prerequisites:

Enrolment in BMath(Adv) Degree and either 24 credit points at 100-level including MATH110 for MATH/STAT235 or completion of MATH/STAT235 for MATH/STAT345. A student may complete a maximum of one project at 200- and one project at 300-level.

This information sheet must be read in conjunction with the general information on educational issues and student matters including special consideration conditions provided in the document "Policies and Services of the University, Faculty and School" published by the School of Mathematics and Applied Statistics. A copy may be obtained from the subject coordinator or at

<http://www.math.uow.edu.au/subjects/generic.shtml>.

It must also be read in conjunction with the Individual Project Specification prepared separately for each Mathematics or Statistics Project student. The present document contains only generic information about the project subjects.

Overview and General Information

The subject is a project individually chosen by or for the student in consultation with the supervisor, at a level appropriate to the 200- or 300-level classifications. The content may consist of: (1) a placement in business or industry where substantial use is made of mathematical techniques; or (2) a project directed towards independent investigation by the student, written and/or oral presentations, and substantial interaction of the student with the supervisors of the project and other members of staff; or (3) a project directed to mastery of a mathematical package or language, with specific use of the package or language in some application or area of mathematics; or (4) a project of research collaboration with a member or members of staff, of which written and spoken presentation would be a part. Other projects, which are appropriate but not primarily in one of these single categories, may occur, such as a project combining features of (1) and (2). Mandatory minimum attendance requirements will be negotiated between student and supervisor at commencement of the project. The supervisor will record whether or not such requirements are met. The project supervisor will supply their contact details including room number, email address and phone number and set consultation arrangements in conjunction with the student in Week 1 upon commencement of the project. The supervisor will suggest recommended texts, references and other learning resources as appropriate for the individual project and provide an indication of any items that may need to be purchased and the approximate cost. The supervisor will indicate whether or not their list of proposed reference materials is exhaustive but in the context of project work in general students are recommended to seek out their own additional resources with assistance from their supervisor as needed.

Subject Learning Outcomes

After successful completion of the subject, and depending upon the nature of the project undertaken, the student should be able to: (i) demonstrate an independent approach to problems and communication and interaction skills in a business/industrial context where use is made of mathematical ideas and procedures; (ii) demonstrate skills of independent thought and investigation, emphasising written and oral communication skills; (iii) demonstrate the development of skills of investigation in the context of computation or mathematical software packages; (iv) demonstrate the acquisition of research skills involving interaction with established researchers; and (v) write an independent report to a high level of presentation as appropriate to the 200- or 300-level classification. However, note that whatever the project is, there is to be an emphasis on written and spoken communication skills and upon the capacity of the student to interact and discuss problems with others. As such the subject clearly identifies with all University graduate qualities, although the extent to which each is involved depends upon the individual project.

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Assessment

Assessment will include the two components outlined below. It is a requirement of the project to perform satisfactorily in each assessment component. With respect to each and every assessment component of your project, your project supervisor will inform you of:

- what is required to perform satisfactorily
- the length, style, format and referencing system to be used
- dates of submission and how you will be notified of any changes in due dates should the need for this arise
- procedures regarding submission, including information about cover sheets and receipts
- procedures for return and feedback. Feedback on final reports will only be given after finalisation of the project mark.
- policies on special consideration for "minor assessment tasks" (those worth less than 10%) if there are any differences from those procedures for major assessment tasks (see the Generic Handout for the relevant school policy).

Part I of the project: worth 90% of the final project mark and assessed by the supervisor, will depend upon the content and circumstances of the project, and will be specified in advance for each student. It may include: (1) a written report; (2) evaluation of performance in a business or industrial placement; (3) evaluation in part by examination; (4) assignments; and (5) a web page. This is usually submitted in Week 13 unless otherwise agreed with the supervisor. In Autumn session this means by Friday 30 May 2008 while in Spring session this means by Friday 24 October 2008.

Part II of the project: worth 10% of the final project mark and assessed by the supervisor and other staff, will be an oral presentation. This will usually be in Week 13 unless otherwise indicated by the supervisor or coordinator. This means that in Autumn session project talks will be in the week beginning Monday 26 May 2008 and in Spring session they will be in the week beginning Monday 20 October 2008, unless otherwise advised by the supervisor or coordinator. Students may obtain feedback following their oral presentation, but feedback on and return of the completed written report will only be given by the supervisor after finalisation of the project mark.

Cheating and Plagiarism

The University does not tolerate cheating or plagiarism and regards them very seriously. For more information, see the document "Policies and Services of the University, Faculty and School" and the section in the University Undergraduate Handbook entitled "Acknowledgement Practice/Plagiarism", or visit <http://www.uow.edu.au/handbook/courserules/plagiarism.html>

Notices

The degree Coordinator will from time to time send out notices to students via SOLS. Please check your email regularly.

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This form should be completed by each supervisor in consultation with the student, and a signed copy should be submitted to the subject coordinator before the end of Week 4.

Subject Code:

Session/Year: Autumn 2008

Name of Student:

Student Number:

Name and Contact Details of Supervisor(s):

Name of Industry Contact (if applicable):

Title of Project:

Brief Description of Project:

Minimum attendance requirements:

Tasks/Objectives (including skills — e.g. typesetting, graphics, computing):

Assessment:

Component	Due Date	Percentage of Final Mark
Talk	Week 13	10%
Total		<u>100%</u>

Signatures:

Supervisor(s):

Student:

Coordinator: