

Course Content

This course provides students with an opportunity to develop their research skills in Mathematics and Statistics, including use of library resources, constructing literature reviews, developing research questions, writing research proposals, and developing skills in oral presentation.

Prerequisite: Enrolment in the MAppStat.

Course Learning Objectives (CLOs)

Students who pass this course will/should be able to:

1. develop research questions by bringing together content and ideas from other courses;
2. effectively communicate and discuss research in a group;
3. make effective use research resources and independently review research papers;
4. communicate a research proposal in both written and oral form.

Lecturers

Dr Ivy (I-Ming) Liu *Course Coordinator*

Room: Cotton CO 424 Tel. 463 5648 Email: ivy.liu@vuw.ac.nz

Dr Laura Dumitrescu

Room: Cotton CO 542 Tel. 4635233 extn 8759 Email: laura.dumitrescu@vuw.ac.nz

Prof Peter Smith

Room: Cotton CO 539 Tel. 463 6738 Email: peter.smith@vuw.ac.nz

Office hours vary; see their door for current hours.

Guest Speakers

Sue D'Ath

Library Academic Services Email: sue.dath@vuw.ac.nz

Ann Pocock

Student Learning Email: Ann.Pocock@vuw.ac.nz

Jan Stewart

Student Learning Email: Jan.Stewart@vuw.ac.nz

Course Delivery

The course consists of several workshops.

- Workshop 1: What is statistical research? How to use library resources to search for literature? How to read a research article?
- Workshop 2: Latex introduction, report writing including plagiarism and correct referencing and oral communication skills.
- Workshop 3: Group discussion on research, fields of statistical research and writing in Statistics.
- Workshop 4: Simulation studies and Latex for seminars.
- Workshop 5: Presentations and discussions.

Trimester 3 dates:

- Workshop 1: Thursday 12 November 2015, 9 am – 12:30 pm (CO431, KK218)
- Workshop 2: Monday 16 November 2015, 1 pm – 5 pm (CO431)
- Workshop 3: Thursday 7 January 2016, 9 am – 12 pm (CO431)
- Workshop 4: Thursday 14 January 2016, 9 am – 12 pm (CO431)
- Workshop 5: Thursday 4 February 2016, 9 am – 12 pm; 1 pm - 4 pm (CO431)

Withdrawals

Students should be aware of the regulations regarding withdrawals from University courses, at <http://www.victoria.ac.nz/home/admisenrol/payments/withdrawalsrefunds.aspx>

Assessment

The assessment will comprise:

1. 10% from two assignments (draft literature review + simulation) : linked with CLO 1.
2. 50% from research proposal: linked with CLOs 1, 3 and 4.
3. 40% from oral presentation: linked with CLOs 1, 2, 3 and 4.

Penalties:

Late assignments not sanctioned by the course coordinator Ivy Liu will receive penalties.

Mandatory Course Requirements

To pass this course, students must attend the workshop for presentations and discussions.

Workload

This course is regarded as 1/4 of a full-time load.

Notices

All notices will be posted on the course website
http://msor.victoria.ac.nz/Courses/STAT480_2015T3.

Recommended Reading

You need to read papers/books related to your research project.

Class Representative

A class representative is chosen by the students in the class each trimester. Your class representative is available if you come across problems and for any reason the issue cannot be resolved directly with staff. If you would like to talk about a concern you have, please email your class rep and a meeting can be arranged. The name of the class rep will be put on the Notices/Home page.

Student Feedback

Because this course is new, there is no student feedback available.

Information about the School

The School of Mathematics and Statistics (SMS) is located in the Cotton Building on the Kelburn Campus.

- The School Office is in CO358, on the 3rd floor of the Cotton Building. The office is open from 8.30am-5.00pm
- The School website is <http://www.victoria.ac.nz/sms>
- Hand in boxes for assignments are on level 3 of the Cotton Building
- Assignments can only be collected from the office at certain times, listed on the Marked assignments page: <http://msor.victoria.ac.nz/Main/MarkedAssignments>
- There is a noticeboard opposite the School Office where students seeking and offering private tuition in mathematics and statistics can put requests and advertisements.

Other Important Information

The information above is specific to this course. There is other important information that students must familiarise themselves with, including:

- Academic Integrity and Plagiarism:
www.victoria.ac.nz/students/study/exams/integrity-plagiarism
- Aegrotats: www.victoria.ac.nz/students/study/exams/aegrotats
- Academic Progress:
www.victoria.ac.nz/students/study/progress/academic-progress
(including restrictions and non-engagement)
- Dates and deadlines: www.victoria.ac.nz/students/study/dates
- Grades: www.victoria.ac.nz/students/study/progress/grades
- Resolving academic issues:
www.victoria.ac.nz/about/governance/dvc-academic/publications

- Special passes:
www.victoria.ac.nz/about/governance/dvc-academic/publications
- Statutes and policies including the Student Conduct Statute:
www.victoria.ac.nz/about/governance/strategy
- Student support: www.victoria.ac.nz/students/support
- Students with disabilities: www.victoria.ac.nz/st_services/disability
- Student Charter:
www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter
- Student Contract:
www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract
- Turnitin: www.cad.vuw.ac.nz/wiki/index.php/Turnitin
- University structure: www.victoria.ac.nz/about
- VUWSA: www.vuwsa.org.nz