

## 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

**Aubrey Kirkpatrick**

Library Academic Services Email: Aubrey.Kirkpatrick@vuw.ac.nz

**Ann Pocock**

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

**Kirsten Reid**

Student Learning Email: kirsten.reid@vuw.ac.nz

## Course Delivery

The course consists of several workshops.

- Workshop 1: What is statistical research? Report writing including plagiarism and correct referencing and oral communication skills.
- Workshop 2: How to use library resources to search for literature? How to read a research article? Latex introduction.
- 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 10 November 2016, 9 am – 12:00 pm (CO431)
- Workshop 2: Monday 14 November 2016, 1 pm – 5 pm (CO431, CO540)
- Workshop 3: Thursday 12 January 2017, 9 am – 12 pm (CO431)
- Workshop 4: Thursday 19 January 2017, 9 am – 12 pm (CO431)
- Workshop 5: Thursday 16 February 2017, 9 am – 12 pm (CO350)

### **Withdrawals**

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

### **Assessment**

The assessment will comprise:

1. 10% from two assignments (draft literature review + simulation) : linked with CLO 1. The draft literature review (including introduction) should be about 3–4 pages.
2. 50% from research proposal: linked with CLOs 1, 3 and 4. The report should be 8–10 pages.
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\\_2016T3](http://msor.victoria.ac.nz/Courses/STAT480_2016T3).

## 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

Student feedback on the course from previous years may be found at:  
[http://www.cad.vuw.ac.nz/feedback/feedback\\_display.php](http://www.cad.vuw.ac.nz/feedback/feedback_display.php)

## 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](http://www.victoria.ac.nz/students/study/exams/integrity-plagiarism)
- Aegrotats: [www.victoria.ac.nz/students/study/exams/aegrotats](http://www.victoria.ac.nz/students/study/exams/aegrotats)
- Academic Progress:  
[www.victoria.ac.nz/students/study/progress/academic-progress](http://www.victoria.ac.nz/students/study/progress/academic-progress)  
(including restrictions and non-engagement)

- Dates and deadlines: [www.victoria.ac.nz/students/study/dates](http://www.victoria.ac.nz/students/study/dates)
- Grades: [www.victoria.ac.nz/students/study/progress/grades](http://www.victoria.ac.nz/students/study/progress/grades)
- Resolving academic issues:  
[www.victoria.ac.nz/about/governance/dvc-academic/publications](http://www.victoria.ac.nz/about/governance/dvc-academic/publications)
- Special passes:  
[www.victoria.ac.nz/about/governance/dvc-academic/publications](http://www.victoria.ac.nz/about/governance/dvc-academic/publications)
- Statutes and policies including the Student Conduct Statute:  
[www.victoria.ac.nz/about/governance/strategy](http://www.victoria.ac.nz/about/governance/strategy)
- Student support: [www.victoria.ac.nz/students/support](http://www.victoria.ac.nz/students/support)
- Students with disabilities: [www.victoria.ac.nz/st\\_services/disability](http://www.victoria.ac.nz/st_services/disability)
- Student Charter:  
[www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter](http://www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter)
- Student Contract:  
[www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract](http://www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract)
- Turnitin: [www.cad.vuw.ac.nz/wiki/index.php/Turnitin](http://www.cad.vuw.ac.nz/wiki/index.php/Turnitin)
- University structure: [www.victoria.ac.nz/about](http://www.victoria.ac.nz/about)
- VUWSA: [www.vuwsa.org.nz](http://www.vuwsa.org.nz)