



## UNSW Course Outline

# ECON3209 Statistics for Econometrics - 2024

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## General Course Information

Course Code : ECON3209

Year : 2024

Term : Term 1

Teaching Period : T1

Is a multi-term course? : No

Faculty : UNSW Business School

Academic Unit : School of Economics

Delivery Mode : In Person

Delivery Format : Standard

Delivery Location : Kensington

Campus : Sydney

Study Level : Undergraduate

Units of Credit : 6

### Useful Links

[Handbook Class Timetable](#)

## Course Details & Outcomes

### Course Description

This course provides the foundations for undertaking modern econometric methods including statistical distribution theory, asymptotic theory, mathematical methods and an introduction to statistical computing including bootstrap and simulation methods. Mastering this course will

give students a deeper understanding of the statistical underpinnings of methods and knowledge acquired in other econometrics courses. Throughout the course, material will be presented in the context of simple models in order to concentrate on the concepts.

## Course Aims

This course aims to cover the parts of probability, statistical distribution theory and statistical inference essential for a deep understanding of econometrics. It develops the statistical foundations for econometric techniques relating to the analysis of economic and financial data. Uncertainty governs both data analyses undertaken by scientists and judgments made by all of us in our everyday lives. This course is a first look at the use of quantitative methods to handle decision making under uncertainty.

This course is designed to provide a foundation for the statistical theory covered in statistical inference and other econometrics courses. Ultimately this course aims to develop your ability to model quantitative relationships and deepen your understanding of how statistical concepts are used in econometrics, the science and art of determining what type of model to build, estimating the parameters of the model, and testing the model statistically.

The major topic will be probability theory and introductory inferential statistics. These two topics form the platform on which all statistical work is built. To understand these advanced methods, it is vital to have a background in these topics. Unfortunately, this means that we will read little applied research and will devote most of our time to the abstract world of probability theory and the logic of statistical inference. Students who intend to take this course should remember that the content is highly theoretical and analytical.

In addition, the course is designed with the following aims in mind:

- Deepen your mathematical and statistical skills;
- Foster your analytical and critical thinking;
- Develop your econometrics problem solving abilities.

## Relationship to Other Courses

Prerequisite mathematics knowledge is at the level of a typical second-year quantitative course equivalent to ECON2206 Introductory Econometrics. Students are advised to revise their knowledge of ECON1202 Quantitative Analysis for Business and Economics and ECON1203 Business and Economic Statistics. Familiarity with algebra, calculus and elementary linear algebra is assumed. The main vehicle for understanding the material is a solid understanding of calculus: differentiation, integration, infinite series, Taylor expansions, limits, etc. No previous

experience with statistics or probability (or gambling) is necessary.

### **Relationship to Other Courses**

This course is a prerequisite for ECON3203 Econometric Theory and Methods. ECON3203 is a building block for ECON4202 Advanced Econometric Theory and Methods. Accordingly, this course is a necessary building block for advanced econometric courses at the Honours and postgraduate levels.

# Course Learning Outcomes

Course Learning Outcomes	Program learning outcomes
CLO1 : Demonstrate an appreciation of the relationship between theoretical statistics and the econometric techniques used to analyse real world data	<ul style="list-style-type: none"> <li>• PL01 : Business Knowledge</li> <li>• PL04 : Teamwork</li> <li>• PL05 : Responsible Business Practice</li> <li>• PL06 : Global and Cultural Competence</li> <li>• PL07 : Leadership Development</li> </ul>
CLO2 : Apply the mathematical techniques of probability and distributions to inference, estimation and hypothesis testing, which are the formal methods by which we learn from noisy data, random samples, and other such uncertain real-world measurements.	<ul style="list-style-type: none"> <li>• PL01 : Business Knowledge</li> <li>• PL02 : Problem Solving</li> <li>• PL06 : Global and Cultural Competence</li> </ul>
CLO3 : Undertake computer calculations concerning statistical distributions and perform computer simulations of models.	<ul style="list-style-type: none"> <li>• PL01 : Business Knowledge</li> <li>• PL02 : Problem Solving</li> <li>• PL04 : Teamwork</li> </ul>
CLO4 : Demonstrate problem solving skills, especially how to prove results analytically from a set of given assumptions.	<ul style="list-style-type: none"> <li>• PL02 : Problem Solving</li> <li>• PL04 : Teamwork</li> <li>• PL07 : Leadership Development</li> </ul>
CLO5 : Demonstrate effective communication of the analytical complexity of econometric problems.	<ul style="list-style-type: none"> <li>• PL03 : Business Communication</li> <li>• PL05 : Responsible Business Practice</li> <li>• PL07 : Leadership Development</li> </ul>

Course Learning Outcomes	Assessment Item
CLO1 : Demonstrate an appreciation of the relationship between theoretical statistics and the econometric techniques used to analyse real world data	<ul style="list-style-type: none"> <li>• Assignments 1 &amp; 2</li> <li>• Class Participation Activities</li> <li>• Online Quiz</li> <li>• Final Exam</li> </ul>
CLO2 : Apply the mathematical techniques of probability and distributions to inference, estimation and hypothesis testing, which are the formal methods by which we learn from noisy data, random samples, and other such uncertain real-world measurements.	<ul style="list-style-type: none"> <li>• Assignments 1 &amp; 2</li> <li>• Class Participation Activities</li> <li>• Online Quiz</li> <li>• Final Exam</li> </ul>
CLO3 : Undertake computer calculations concerning statistical distributions and perform computer simulations of models.	<ul style="list-style-type: none"> <li>• Assignments 1 &amp; 2</li> <li>• Class Participation Activities</li> <li>• Online Quiz</li> </ul>
CLO4 : Demonstrate problem solving skills, especially how to prove results analytically from a set of given assumptions.	<ul style="list-style-type: none"> <li>• Final Exam</li> <li>• Assignments 1 &amp; 2</li> <li>• Class Participation Activities</li> <li>• Online Quiz</li> </ul>
CLO5 : Demonstrate effective communication of the analytical complexity of econometric problems.	<ul style="list-style-type: none"> <li>• Final Exam</li> <li>• Assignments 1 &amp; 2</li> </ul>

# Learning and Teaching Technologies

Moodle - Learning Management System | EdStem | Echo 360

## Learning and Teaching in this course

This is not a course where you can become proficient just by observing. You will need to get involved in class activities - evaluating information, and asking and answering questions. You also must learn to organise your independent study and practice enough problems to gain a thorough understanding of concepts and how to apply them.

### Students are expected to:

- Put a consistent effort into learning activities throughout the term by preparing for the regular assessment tasks;
- Take a responsible role in preparing for tutorials and participating in them;
- Develop communication skills through engaging in classroom discussions and preparing assignments;
- Concentrate more on understanding how and why to use formulae and less on memorising them;
- Make continuous improvements by using the feedback from tutorials and assessments.

### Learning Activities and Teaching Strategies

The examinable content of the course is defined by the references given in the lecture schedule, the content of lectures, and the content of the tutorial/homework and assignment programs. Out-of-class study is an integral part of the learning process. This course requires a solid commitment and a continuing effort.

### Lectures

Lectures will provide broad coverage of the main topics considered in the course. Lectures will introduce and emphasise the course content. They will include an explanation of relevant topics and theory together with the use of worked examples to demonstrate the theory in practice. However, students should only regard their content as partial.

Lectures will be delivered in person, with the first lecture each week (Wednesday 11:00 - 12:30), and the second lecture each week (Thursday 11:00 - 12:30). Recordings of both lectures will be available to students on the course Moodle and/or Ed platform on the next day.

This is a lecture-based course, which will proceed as quickly or slowly as is necessary. You must

make every effort to attend the lectures to have instant answers to their questions as the lecture progresses and to view the second lecture recording on the scheduled day to stay on top of the material.

It is important for the student to devote a considerable amount of time to private study to achieve an appropriate level of understanding and to practice the different econometric tools introduced. Lectures provide one of the principal means of learning instruction, but it is essential that their contribution be bolstered and supported by other learning resources.

Students are expected to develop the skills and ability to derive results on their own. Memorising formulae and final results will not be of great help in the assessments; only a proper ability to develop these results will ensure success.

To get the most out of the lectures, students are strongly encouraged to familiarise themselves with the prescribed text readings as given in the course outline prior to attending each lecture, and to be prepared to take notes during the lecture itself.

## Tutorials

The more you read the more you know, but **the more you practice the more you learn and understand**. Accordingly, the key to understanding in this course is problem solving.

There will be weekly tutorials. The purpose of tutorials is to enable you to raise questions about difficult topics or problems encountered in your studies, and to provide experience with problem solving. *Students must not expect another lecture, but must come to tutorials prepared with informed questions of their own.*

Discussion will be based normally on a sequence of exercise sheets (homework) that will be distributed regularly during the course. You are expected to make a serious attempt at all questions on an exercise sheet before attending the tutorial at which it is discussed. It will not be possible to discuss all the problems set in the allotted time and you should not expect all questions to be solved in depth at the tutorials. Some tutorial exercises (and assignments) will require the use of statistical software (Python) to undertake calculations concerning distributions and simulations of statistical models.

In tutorials, some students may be randomly chosen to discuss their attempts to answer the tutorial problems. The aim is to encourage discussion within the classroom and to solve the issues you and your classmates have encountered with the problems.

The tutorials in week 4 ,7 and 10 shall include an in-class activities with an aggregate weightage of 15% of the overall course marks.

### Out-of-Class Study

While you may have preferred individual learning strategies, most learning will be achieved outside of class time. Lectures can only provide a structure to assist your study, and tutorial time is limited.

The required textbook for this course is by Miller & Miller (MM) (see the Course Resources section for more details). There is also a highly recommended book by DeGroot & Schervish (DG). You only need to buy one. The course schedule and reading guide refer to both textbooks.

You are strongly encouraged to (heavily) use the reference textbooks. Both textbooks contain exhaustive and detailed derivations of results and proofs of theorems introduced in the lectures. There are also many applications and case studies presented in the textbooks that will help you understand the possible applications of the various theoretical concepts covered in class.

The reading load for this course is mild - perhaps ten to twenty pages per class. However, the work load will be high. It is important to carefully read and understand every result in the text. This requires full attention when reading the text. My advice to you is to make the book your friend and use the consultation time to come and ask for help in understanding what you read.

### **Student Workload**

Indicated below is the expected student workload per week for this subject

- **No. timetabled hours/week\***: 4.5 hours/week (3 hours of lecture + 1.5 hours of tutorial)
- **No. personal study hours/week\*\***: 5.5 to 7 hours/week
- **Total workload hours/week\*\*\***: 10 to 12 hours/week

\* Total time spent per week at lectures and tutorials

\*\* Total time students are expected to spend per week in studying, completing assignments, reading reference text and resources, etc.

\*\*\* Combination of timetabled class hours and personal study.

# Assessments

## Assessment Structure

Assessment Item	Weight	Relevant Dates	Program learning outcomes
Assignments 1 & 2 Assessment Format: Individual	30%	Due Date: Assignment 1 is due Friday, 4 PM in Week 5. Assignment 2 is due Friday, 4 PM in Week 9.	<ul style="list-style-type: none"><li>• PL01 : Business Knowledge</li><li>• PL02 : Problem Solving</li><li>• PL03 : Business Communication</li><li>• PL04 : Teamwork</li><li>• PL05 : Responsible Business Practice</li><li>• PL06 : Global and Cultural Competence</li><li>• PL07 : Leadership Development</li></ul>
Class Participation Activities Assessment Format: Individual	15%		<ul style="list-style-type: none"><li>• PL01 : Business Knowledge</li><li>• PL02 : Problem Solving</li><li>• PL03 : Business Communication</li><li>• PL05 : Responsible Business Practice</li><li>• PL07 : Leadership Development</li></ul>
Online Quiz Assessment Format: Individual	10%	Start Date: Week 3 Due Date: Friday 4 PM of Week 3	<ul style="list-style-type: none"><li>• PL01 : Business Knowledge</li><li>• PL02 : Problem Solving</li><li>• PL05 : Responsible Business Practice</li><li>• PL06 : Global and Cultural Competence</li><li>• PL07 : Leadership Development</li></ul>
Final Exam Assessment Format: Individual	45%	Due Date: UNSW Exam Period	<ul style="list-style-type: none"><li>• PL01 : Business Knowledge</li><li>• PL02 : Problem Solving</li><li>• PL06 : Global and Cultural Competence</li><li>• PL07 : Leadership Development</li></ul>

## Assessment Details

### Assignments 1 & 2

#### Assessment Overview

Two assignments will be handed out during the course. The completed assignments will be



handed in on time and marked as part of the course assessment.

Assesses: PLO1, PLO2, PLO3, PLO4, PLO5, PLO6, PLO7

### Course Learning Outcomes

- CL01 : Demonstrate an appreciation of the relationship between theoretical statistics and the econometric techniques used to analyse real world data
- CL02 : Apply the mathematical techniques of probability and distributions to inference, estimation and hypothesis testing, which are the formal methods by which we learn from noisy data, random samples, and other such uncertain real-world measurements.
- CL03 : Undertake computer calculations concerning statistical distributions and perform computer simulations of models.
- CL04 : Demonstrate problem solving skills, especially how to prove results analytically from a set of given assumptions.
- CL05 : Demonstrate effective communication of the analytical complexity of econometric problems.

### Detailed Assessment Description

Assignment 1 is due Friday, 4 PM in Week 5. (15%)

Assignment 2 is due Friday, 4 PM in Week 9. (15%)

While you are encouraged to collaborate on these assignments, you must write up your own paper in your own words; you should not copy someone else's answers. Plagiarism will be checked and dealt with appropriately. It is also important to understand that presentation, explanation, and discussion are essential components of a well-crafted assignment solution.

### Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

## **Class Participation Activities**

### Assessment Overview

The tutorial activities may involve problem sets conducted as class activities and marked during the class (3 class activities of 5 marks each)

Assesses: PLO1, PLO2, PLO3, PLO5, PLO7

### Course Learning Outcomes

- CL01 : Demonstrate an appreciation of the relationship between theoretical statistics and the econometric techniques used to analyse real world data
- CL02 : Apply the mathematical techniques of probability and distributions to inference,

estimation and hypothesis testing, which are the formal methods by which we learn from noisy data, random samples, and other such uncertain real-world measurements.

- CL03 : Undertake computer calculations concerning statistical distributions and perform computer simulations of models.
- CL04 : Demonstrate problem solving skills, especially how to prove results analytically from a set of given assumptions.

#### **Detailed Assessment Description**

The class activities will be conducted in week 4, 7 and 10.

### **Online Quiz**

#### **Assessment Overview**

This quiz is meant to provide you with timely, quick feedback on your understanding of the concepts covered. It will hopefully guide you in addressing early on any major obstacle to achieving the aims of this course and your full potential grade.

Assesses: PLO1, PLO2, PLO5, PLO6, PLO7

#### **Course Learning Outcomes**

- CL01 : Demonstrate an appreciation of the relationship between theoretical statistics and the econometric techniques used to analyse real world data
- CL02 : Apply the mathematical techniques of probability and distributions to inference, estimation and hypothesis testing, which are the formal methods by which we learn from noisy data, random samples, and other such uncertain real-world measurements.
- CL03 : Undertake computer calculations concerning statistical distributions and perform computer simulations of models.
- CL04 : Demonstrate problem solving skills, especially how to prove results analytically from a set of given assumptions.

#### **Detailed Assessment Description**

An online quiz, opening in Week 3 and due by Friday 4 PM of the week, will cover material from Week 1 up and including Week 2. This quiz is meant to provide you with timely, quick feedback on your understanding of the concepts covered. It will hopefully guide you in addressing early on any major obstacle to achieving the aims of this course and your full potential grade. There will be two attempts for this quiz, with highest score retained. There will be no make-up quiz if you fail to complete the quiz.

In the event of illness, you may apply for special consideration. If it is approved, the weight of the quiz will be added to the final exam mark.

# Final Exam

## Assessment Overview

The final examination will be held during the university examination period. The final exam consists of questions designed to test your knowledge, analytical skills, problem-solving ability and your ability to explain and discuss issues informatively.

Assesses: PLO1, PLO2, PLO6, PLO7

## Course Learning Outcomes

- CL01 : Demonstrate an appreciation of the relationship between theoretical statistics and the econometric techniques used to analyse real world data
- CL02 : Apply the mathematical techniques of probability and distributions to inference, estimation and hypothesis testing, which are the formal methods by which we learn from noisy data, random samples, and other such uncertain real-world measurements.
- CL04 : Demonstrate problem solving skills, especially how to prove results analytically from a set of given assumptions.
- CL05 : Demonstrate effective communication of the analytical complexity of econometric problems.

## Detailed Assessment Description

The final exam is an open book/note, but it is an individual assessment. No collaboration between students is permitted. Any evidence of misconduct/plagiarism will be taken seriously and reported to the Student Conduct and Integrity Unit.

My advice to you:

- Don't fall behind. Study the material on a lecture-by-lecture basis, as you will see that every lecture depends on the material from previous lectures.
- Do all the assigned homework. This is an integral part of the course. You should try more difficult problems - don't give in easily.
- Make use of the resources at your disposal: textbook, tutorials, extra material, and consultation hours.
- You need to get proficient in writing Python codes to run simulations to solve problems. We will run Python practice sessions throughout the weeks. These will be announced as we progress in the course. Get on early and practice the coding as much as you can.

## General Assessment Information

As a student at UNSW you are expected to display [academic integrity](#) in your work and interactions. Where a student breaches the [UNSW Student Code](#) with respect to academic integrity, the University may take disciplinary action under the Student Misconduct Procedure. To

assure academic integrity, you may be required to demonstrate reasoning, research and the process of constructing work submitted for assessment.

To assist you in understanding what academic integrity mean, and how to ensure that you do comply with the UNSW Student Code, it is strongly recommended that you complete the [Working with Academic Integrity module](#) before submitting your first assessment task. It is a free, online self-paced Moodle module that should take about one hour to complete.

### Grading Basis

Standard

### Requirements to pass course

In order to pass this course students must:

- Achieve a **composite** mark of at least 50 out of 100
- Engage actively in course learning activities and attempt all assessment requirements
- Meet any additional requirements specified in the assessment details
- Meet the specified attendance requirements of the course (see Schedule section)

# Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 12 February - 18 February	Lecture	<ul style="list-style-type: none"> <li>- Probability</li> <li>- Random Variables &amp; Probability Distributions</li> <li>- Miller &amp; Miller: Chapters 1 &amp; 2 &amp; 3</li> <li>- DeGroot: Chapters 1 &amp; 2 &amp; 3</li> </ul>
Week 2 : 19 February - 25 February	Lecture	Moments/Expectation of Random Variables <ul style="list-style-type: none"> <li>- Miller &amp; Miller: Chapter 4</li> <li>- DeGroot: Chapter 4</li> </ul>
	Tutorial	Previous week's lecture topics
Week 3 : 26 February - 3 March	Lecture	Special Probability Distributions  <ul style="list-style-type: none"> <li>- Miller &amp; Miller: Chapters 5 &amp; 6</li> <li>- DeGroot: Chapter 5</li> </ul>
	Tutorial	Previous week's lecture topics Online Quiz Due Friday, 4 PM.
Week 4 : 4 March - 10 March	Lecture	<ul style="list-style-type: none"> <li>- Functions of Random Variables</li> <li>- Estimation I: Bayesian Estimators</li> <li>- Miller &amp; Miller: Chapters 7 &amp; 10</li> <li>- DeGroot: Chapters 3 &amp; 7</li> </ul>
	Tutorial	Previous week's lecture topics In-class activities (Assessed)
Week 5 : 11 March - 17 March	Lecture	<ul style="list-style-type: none"> <li>• Estimation II: Maximum Likelihood</li> <li>• Sampling Distributions</li> <li>• Bayesian Estimation/Inference</li> <li>• Miller &amp; Miller: Chapters 8 &amp; 10</li> <li>• DeGroot: Chapters 6 &amp; 7 &amp; 8</li> </ul>
	Tutorial	Previous Week's Topics
	Assessment	Material from Week 1 up to and including Week 4. Assignment 1 Due Friday, 4 PM.
Week 6 : 18 March - 24 March	No scheduled activity	No lectures/tutorials
Week 7 : 25 March - 31 March	Lecture	<ul style="list-style-type: none"> <li>- Asymptotic Inference:</li> <li>• Consistency, Asymptotic efficiency</li> <li>• Consistency of MLE</li> <li>- Interval estimation</li> <li>- Miller &amp; Miller: Chapters 4 &amp; 8 &amp; 10</li> <li>- DeGroot: Chapters 6 &amp; 8 &amp; 12</li> </ul>
	Tutorial	Previous Week's Topics In-class activities (Assessed)
Week 8 : 1 April - 7 April	Lecture	<ul style="list-style-type: none"> <li>- Classical Hypothesis Testing</li> <li>- Bayesian Simulations</li> <li>• Miller &amp; Miller: Chapters 7, 9 &amp; 10</li> <li>• DeGroot: Chapter 9</li> </ul>
	Tutorial	Previous Week's Topics
Week 9 : 8 April - 14 April	Lecture	- Inference in the Linear Statistical Model

		<ul style="list-style-type: none"> <li>• Miller &amp; Miller: Chapter 11</li> <li>• DeGroot: Chapter 11</li> </ul>
	Tutorial	Previous week's lecture topics
	Assessment	All material from Week 1 up to and including Week 8. Assignment 2 Due Friday 4 PM.
Week 10 : 15 April - 21 April	Tutorial	No lectures this week. Previous week's lecture topics In-class activities (Assessed)

## Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

## Course Resources

### Prescribed Resources

In-person lectures will take place in weeks 1-5,7-9 on Wednesdays from 11:00-12:30 and on Thursdays from 11:00 -12:30. Recorded version will be available on Ed Platform and/or Moodle on the next day.

The course Moodle site is minimalistic, whose only purpose is to provide you with links to (1) Course Outline (2) assessments submission links, and (3) final examination details and submission.

The rest of the action all happens on the Ed platform: access to course material including lecture notes, tutorial material (questions and answers), assessment information, and last but not least Message Board/Forums to ask and answer questions.

Instructions on how to access the Ed platform and links will be available from the Moodle site. Please use the link provided on Moodle to access the Ed platform. You can only access it from within your Moodle account.

### Required Textbook

- Miller, I., & M. Miller (2014), John S. Freund's Mathematical Statistics with Applications, 8th Edition, Pearson Prentice Hall. (MM)

The course will mostly follow Miller and Miller (MM) but will skip some topics and add some others from the additional readings. The LIC will make copies of any extra material available to students as we progress.

### Highly Recommended

- DeGroot, M.H., & M.J. Schervish (2014), Probability and Statistics, 4th. Edition, Reading, Mass. Addison-Wesley. (DG)
- Schervish, M.J. (2012), Student Solutions Manual (for Probability and Statistics, 4th. Edition), Boston, Mass. Addison-Wesley.

### **Additional Readings.**

These are slightly more advanced!

- Casella, G., & R.L. Berger (2002), Statistical Inference, Duxbury Press.
- Hogg, R.V., & A.T. Craig (1978), Introduction to Mathematical Statistics, 4th Edition, New York: Macmillan.
- Bierens, H.J. (2004), Introduction to the Mathematical and Statistical Foundations of Econometrics, Cambridge University Press.

Copies of DeGroot and Miller have been put into the High Use Collection at the UNSW Library.

### **Software**

We will be using Python for the computational exercises/applications in this course. More information about Python will be made available on Ed.

## **Course Evaluation and Development**

Feedback is regularly sought from students and continual improvements are made based on this feedback. At the end of this course, you will be asked to complete the [myExperience survey](#), which provides a key source of student evaluative feedback. Your input into this quality enhancement process is extremely valuable in assisting us to meet the needs of our students and provide an effective and enriching learning experience. The results of all surveys are carefully considered and do lead to action towards enhancing educational quality.

The School of Economics strives to be responsive to student feedback. If you would like more information on how the design of this course and changes made to it over time have taken students' needs and preferences into account, please contact the Director of Education at the School of Economics.

### **Consent for De-Identified Data to be Used for Secondary Research into Improving Student Experience**

To enhance your student experience, researchers at UNSW conduct academic research that involves the use of de-identified student data, such as assessment outcomes, course grades, course engagement and participation, etc. Students of this course are being invited to provide their consent for their de-identified data to be shared with UNSW researchers for research purposes after the course is completed.

Providing consent for your de-identified data to be used in academic research is voluntary and not doing so will not have an impact on your course grades.

Researchers who want to access your de-identified data for future research projects will need to submit individual UNSW Ethics Applications for approval before they can access your data.

A full description of the research activities aims, risks associated with these activities and how your privacy and confidentiality will be protected at all times can be found [here](#).

If you consent to have your de-identified data used for academic research into improving student experience, you do not need to do anything. Your consent will be implied, and your data may be used for research in a format that will not individually identify you after the course is completed.

If you do not consent for this to happen, please email the [opt-out form](#) to [seer@unsw.edu.au](mailto:seer@unsw.edu.au) to opt-out from having your de-identified data used in this manner. If you complete the opt-out form, the information about you that was collected during this course will not be used in academic research.

## Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Rajesh Luc knauth		Room 2045, Level 2, Quadrangle Building, UNSW		Monday 12:00-13:00 and by appointment	Yes	Yes

## Other Useful Information

### Academic Information

### COURSE POLICIES AND SUPPORT



The Business School expects that you are familiar with the contents of this course outline and the UNSW and Business School learning expectations, rules, policies and support services as listed below:

- Program Learning Outcomes
- Academic Integrity and Plagiarism
- Student Responsibilities and Conduct
- Special Consideration
- Protocol for Viewing Final Exam Scripts
- Student Learning Support Services

Further information is provided on the [key policies and support](#) page.

Students may not circulate or post online any course materials such as handouts, exams, syllabi or similar resources from their courses without the written permission of their instructor.

## STUDENT LEARNING OUTCOMES

The Course Learning Outcomes (CLOs) – under the Outcomes tab – are what you should be able to demonstrate by the end of this course, if you participate fully in learning activities and successfully complete the assessment items.

CLOs also contribute to your achievement of the Program Learning Outcomes (PLOs), which are developed across the duration of a program. PLOs are, in turn, directly linked to [UNSW graduate capabilities](#). More information on Coursework PLOs is available on the [key policies and support](#) page. For PG Research PLOs, including MPDBS, please refer to the [UNSW HDR Learning Outcomes](#).

## Academic Honesty and Plagiarism

As a student at UNSW you are expected to display [academic integrity](#) in your work and interactions. Where a student breaches the [UNSW Student Code](#) with respect to academic integrity, the University may take disciplinary action under the Student Misconduct Procedure. To assure academic integrity, you may be required to demonstrate reasoning, research and the process of constructing work submitted for assessment.

To assist you in understanding what academic integrity means, and how to ensure that you do comply with the UNSW Student Code, it is strongly recommended that you complete the [Working with Academic Integrity](#) module before submitting your first assessment task. It is a free, online self-paced Moodle module that should take about one hour to complete.

## Submission of Assessment Tasks

### SPECIAL CONSIDERATION

You can apply for special consideration when illness or other circumstances beyond your control interfere with your performance in a specific assessment task or tasks, including online exams. Students studying remotely who have exams scheduled between 10pm and 7am local time, are also able to apply for special consideration to sit a supplementary exam at a time outside of these hours.

Special consideration is primarily intended to provide you with an extra opportunity to demonstrate the level of performance of which you are capable. To apply, and for further information, see Special Consideration on the UNSW [Current Students](#) page.

Special consideration applications will be assessed centrally by the Case Review Team, who will update the online application with the outcome and add any relevant comments. The change to the status of the application immediately sends an email to the student and to the assessor with the outcome of the application.

Please note the following:

1. Applications can only be made through Online Services in myUNSW (see the UNSW [Current Students](#) page). Applications will not be accepted by teaching staff. The lecturer-in-charge/course coordinator will be automatically notified when your application is processed.
2. Applying for special consideration does not automatically mean that you will be granted a supplementary exam or other concession.
3. If you experience illness or misadventure in the lead up to an exam or assessment, you must submit an application for special consideration, either prior to the examination taking place, or prior to the assessment submission deadline, except where illness or misadventure prevent you from doing so.
4. If your circumstances stop you from applying before your exam or assessment due date, you must apply within 3 working days of the assessment or the period covered by your supporting documentation.
5. Under the UNSW Fit To Sit/Submit rule, if you sit the exam/submit an assignment, you are declaring yourself well enough to do so and are cannot subsequently apply for special consideration.
6. If you become unwell on the day of – or during – an exam, you must stop working on your exam, advise your course coordinator or tutor and provide a medical certificate dated within 24 hours of the exam, with your special consideration application. For online exams, you must contact your course coordinator or tutor immediately via email, Moodle or chat and advise

them you are unwell and submit screenshots of your conversation along with your medical certificate and application.

7. Special consideration requests do not allow the awarding of additional marks to students.

Further information on Business School policy and procedure can be found under “Special Consideration” on the [key policies and support](#) page.

## **LATE SUBMISSION PENALTIES**

For assessments other than examinations, late submission will incur a penalty of 5% per day or part thereof (including weekends) from the due date and time. An assessment will not be accepted after 5 days (120 hours) of the original deadline unless special consideration has been approved. An assignment is considered late if the requested format, such as hard copy or electronic copy, has not been submitted on time or where the ‘wrong’ assignment has been submitted.

For assessments which account for 10% or less of the overall course grade, and where answers are immediately discussed or debriefed, the LIC may stipulate a different penalty. Details of such late penalties will be available on the course Moodle page.

## **FEEDBACK ON YOUR ASSESSMENT TASK PERFORMANCE**

Feedback on student performance from formative and summative assessment tasks will be provided to students in a timely manner. Assessment tasks completed within the teaching period of a course, other than a final assessment, will be assessed and students provided with feedback, with or without a provisional result, within 10 working days of submission, under normal circumstances. Feedback on continuous assessment tasks (e.g. laboratory and studio-based, workplace-based, weekly quizzes) will be provided prior to the midpoint of the course.

## **Faculty-specific Information**

### **PROTOCOL FOR VIEWING FINAL EXAM SCRIPTS**

UNSW students have the right to view their final exam scripts, subject to a small number of very specific exemptions. The UNSW Business School has set a [protocol](#) under which students may view their final exam script. Individual schools within the Faculty may also set up additional local processes for viewing final exam scripts, so it is important that you check with your School.

If you are completing courses from the following schools, please note the additional school-

specific information:

- Students in the **School of Accounting, Auditing & Taxation** who wish to view their final examination script should also refer to [this page](#).
- Students in the **School of Banking & Finance** should also refer to [this page](#).
- Students in the **School of Information Systems & Technology Management** should also refer to [this page](#).

## **COURSE EVALUATION AND DEVELOPMENT**

Feedback is regularly sought from students and continual improvements are made based on this feedback. At the end of this course, you will be asked to complete the [myExperience survey](#), which provides a key source of student evaluative feedback. Your input into this quality enhancement process is extremely valuable in assisting us to meet the needs of our students and provide an effective and enriching learning experience. The results of all surveys are carefully considered and do lead to action towards enhancing educational quality.

## **QUALITY ASSURANCE**

The Business School is actively monitoring student learning and quality of the student experience in all its programs. A random selection of completed assessment tasks may be used for quality assurance, such as to determine the extent to which program learning goals are being achieved. The information is required for accreditation purposes, and aggregated findings will be used to inform changes aimed at improving the quality of Business School programs. All material used for such processes will be treated as confidential.

## **TEACHING TIMES AND LOCATIONS**

Please note that teaching times and locations are subject to change. Students are strongly advised to refer to the [Class Timetable website](#) for the most up-to-date teaching times and locations.