

Course Code:	1304AFE	
Course Name:	Business Statistics	
Semester:	Semester 1, 2016	
Program:	Associate Degree in Commerce & Business	
	Diploma of Commerce	
Credit Points:	10	
Course Coordinator:	Vicki Hennegan	
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# **Teaching Team**

Your lecturer/tutor can be contacted via the email system on the portal.				
Name Email				
Rebecca Fox	rebecca.fox@staff.griffithcollege.edu.au			
Tony Hurd	tony.hurd@staff.griffithcollege.edu.au			
Vicki Hennegan	vicki.hennegan@staff.griffithcollege.edu.au			
Zareen Raza	zareen.raza@staff.griffithcollege.edu.au			

# Staff Consultation

Your lecturer/tutor is available each week for consultation outside of normal class times. Times that your lecturer/tutor will be available for consultation will be given in the first week of lectures. A list of times and rooms will be published on the Griffith College Portal under the "myTimetable" link.

# Prerequisites

There are no prerequisites for this course

# **Brief Course Description**

Business Statistics is a 10 Credit Point course within the Diploma of Commerce. The course is situated within the first semester of the program. The Diploma of Commerce is designed to provide students with a pathway to:

- further university studies in Commerce, Business and related degrees or

- direct employment.

Business Statistics introduces students to the core concepts of statistical analysis. It is introductory in nature, and provides materials across a broad range of statistical techniques and methods. The focus of this course is to provide students with the ability to recognise situations in which statistical analysis may be useful, and the relevant techniques and methods that apply in those situations.

# Rationale

Statistical analysis is the most important tool used in decision-making in all areas of business. To make a good decision, the decision-maker must carefully analyse all alternatives in the light of all available information. Business Statistics provides an opportunity for the development of key skills in recognition and the analysis of real world problems. It also provides opportunities for the development of logical thinking, reasoning, and critical thinking.

This course is designed to provide students with the basic statistical techniques needed for the study of their discipline. It aims to provide recognition where statistical analysis may be of benefit and introduce the range of methods that may apply to a given situation using real world examples.

### Learning Outcomes

Upon successful completion of this course you will be able to:

1. Understand the nature of data and critically analyse basic statistical information.

 Present statistical information graphically or numerically.
Understand and apply basic concepts in statistics such as the normal distribution, probability, sampling and Central Limit Theorem. You will also be able to see how they relate to the area of inferential statistics.

4. Understand and apply statistical techniques in inference such as confidence intervals, hypothesis testings, correlation and regression. In addition, you will also learn to calculate and interpret index numbers.

5. Use Excel to carry out your statistical analysis and appreciate Excel's strengths and weaknesses.

6. Communicate statistical findings to a non technical audience.

# **Texts and Supporting Materials**

1. Selvanathan, E.A., Selvanathan, S., Keller, G., (2014). Business Statistics, Abridged Australia New Zealand (6th ed.). Cengage Learning.

- 2. Selvanathan, S., & Selvanathan, E.A (2014). Learning Statistics and Excel in Tandem with Excel 2010 (4th ed.). Cengage Learning.
- 3. A non-programmable scientific calculator (preferred model: CASIO fx series).

#### **Organisation and Teaching Strategies**

### Class Contact Summary

#### Attendance

Attendance at every lecture, tutorial and workshop is vital if you are seeking a pass in the course.

This is because the topics and concepts in this subject are cumulative. This means that you must understand the materials from previous weeks, before you can attempt to complete work in subsequent weeks.

### **Participation in Class**

You are expected to actively participate in classes each week.

### **Consultant Times**

Attendance during consultation times is optional but you are encouraged to use this extra help to improve your learning outcomes.

#### **Course Materials**

You are expected to prepare in advance for lectures, tutorials and workshops every week. Before attending lectures, you should have a copy of the lecture notes. Before attending tutorials and workshops you should have attempted the questions and problems.

You are required to bring the textbook, a statistical calculator (non-graphics & non-programmable) and any work in progress to every lecture, tutorial and workshop.

#### Independent Learning

You are expected to reinforce your learning from class time by undertaking sufficient independent study {approximately 6 hours per week outside of class time} so that you can achieve the learning outcomes of the course.

### **Program Progression**

You are reminded that satisfactory Program Progression requires that attendance in classes is maintained at equal to or greater than 80%, and that GPA is maintained at equal to or greater than 3.5 with passing grades achieved in more than 50% of courses in any semester [please see Griffith College Policy Library - Program Progression Policy - for more information].

#### **Content Schedule**

Business Statistics consists of a series of specific statistical concepts [see Weekly Teaching Schedule]. Each week///////s lecture focuses on a particular set of concepts. The course commences by providing you with a brief introduction to the field of statistics.

Lectures in weeks 1 and 2 provide you with the fundamental skills to describe a data set graphically and numerically. The lecture in week 3 covers basic probability theory and continuous normal probability distributions. Understanding the normal probability distribution is important as it sets foundations for statistical inference covered in the subsequent weeks of the course.

The concepts of statistical inference and sampling distributions will be introduced in week 4. In weeks 5 to 7 you will then learn to apply the knowledge of statistical inference to estimate confidence intervals and to test pre-determined hypotheses.

Weeks 9-11 focus on correlation and regression analysis. Regression analysis is a method that is useful to analyse the relationship between variables of interest. In week 12, you will learn to calculate and interpret index numbers. Index numbers are measurements that are useful to summarise a large body of data with a single number.

Finally in week 13, a review of all materials studied in the previous weeks will be delivered to provide guidelines for the preparation of the final exam.

# Weekly Teaching Schedule

Week	Торіс	Activity	Readings
1	Introduction to Statistics & Graphical Descriptive Methods	Lecture	BS: Chapter 1, Chapter 2-section 2.1 only, Chapter 3-omit section 3.4, and Chapter 4-sections 4.1 and 4.2 only
	Overview of course; basic overview of Excel	Workshop	LSE: Chapter 1

2     Number beta Uses of public Metasures     Lock view     ESC Chapter 3-cmit Section 5.5       BSE Exercises: 11.1.2.2.4.2.5.3.3.4.     Tutorial     Number beta Section 5.5       Affectivity of Spreadshoot     Workshop     LSE Chapter 2       BSE Exercises: 51.5.7.5.3.1.5.4.2.5.65     Exercise     BSC Chapter 4-section 8.3 only       BSE Exercises: 51.5.7.5.3.5.5.2.4.2.5.65     Tutorial     Exercises: 51.5.7.5.3.3.4.       BSE Exercises: 51.5.7.5.3.5.2.5.4.2.5.65     Tutorial     Exercises: 51.5.7.5.3.4.3.4.       BSE Exercises: 51.5.7.5.3.5.3.4.4.5.65     Tutorial     Exercises: 51.5.7.5.3.4.5.65       BSE Exercises: 51.5.7.5.3.5.3.4.4.5.65     Tutorial     Exercises: 51.5.7.5.3.4.5.65       BSE Exercises: 51.5.7.5.3.5.4.5.65     Exercises: 51.5.7.5.5.7.5.65     Exercises: 51.5.7.5.7.5.7.5.7.5       BSE Exercises: 10.1.10.3.10.3 a.8.c.10.10.10.27     Tutorial     Exercises: 51.5.7.5.3.5.4.5.5       BSE Exercises: 11.1.1.6.1.7.11.8.11.6.11.5.     Tutorial     Exercises: 51.5.7.5.3.5.4.5.5       BSE Exercises: 13.7.1.5.1.7.11.8.11.7.11.8.11.6.11.				
4.7geoduding part (a), 428, 4.41     Normal       Introduction to Spreadsheet     Workshop     LSE: Chapter 2       BS     Continuous Probability/Distributions, Normal and Sandard Normal Distributions.     Lockure     BS: Chapter 3-section 8.3 only       BS     Distributions.     Tutoral     Exercises: 51.57, 53.1, 552, 542, 563     Tutoral       LSE: Chapter 3-Exemptes 3.3, 43.1 and 3.2     Workshop     Exercises: 8.11.8.12, 8.19, 8.21a, 8.36     Tutoral       Distributions     Introduction to Statistical Inference and Sampling BS Exercises: 10.1, 103, 10.13 a 4, 6, 10.18, 1027     Tutoral     Exercises: 10.1, 103, 10.13 a 4, 6, 10.18, 1027     Tutoral       Iter Schapter 4 - Exempte 4.1     Workshop     Exercises: 11.1, 103, 10.13 a 4, 6, 10.18, 1027     Tutoral       Iter Schapter 1 - Exempte 4.1     Workshop     Exercises: 10.1, 103, 10.13 a 4, 6, 10.18, 1027     Tutoral       Iter Schapter 1 - Exempte 4.1     Workshop     Exercises: 10.1, 103, 10.13 a 4, 6, 10.18, 1027     Tutoral       Iter Schapter 1 - Exempte 4.1     Workshop     Exercises: 10.1, 103, 10.13 a 4, 6, 10.8, 1027     Tutoral       Iter Schapter 1 - Exempte 4.1     Workshop     Exercises: 10.1, 103, 10.13 a 4, 10.8, 11.50, 17.0     Tutoral       Iter Schapter 1 - Exempte 5, 11.182, 10.11	2	Numerical Descriptive Measures	Lecture	BS: Chapter 5-omit section 5.5
B     Continuous Probability Distributions, Normal and Sundard Normal Distributions.     Lecture     BI: Chapter 8-section 8.3 only       BE Secretises: 51.57.531.582.542.642.665     Tutorial     Introduction to Statistical Inference and Sampling Distributions     Lecture     BI: Chapter 9 and 10       BE Secretises: 81.17.811.682.819.821.8.9.8     Tutorial     Excure     BI: Chapter 9 and 10       BE Secretises: 81.11.812.819.821.8.9.8     Tutorial     Excure     BI: Chapter 9 and 10       EVENTION     Excure     BI: Chapter 9 and 10     Excure       BE Secretises: 81.11.812.819.821.8.9.8     Tutorial     Excure     BI: Chapter 9 and 10       Excortises: 10.1.10.3.10.13.8.6.101.81.02.7     Tutorial     Excortises: 10.1.10.3.10.13.8.6.101.81.02.7       BE Secretises: 11.3.116.11.7.118.11.18.11.5     Tutorial     Excortise: Testing (art1)     Excortise       Excortise: Testing (art2)     Lecture     BI: Chapter 13-omit section 13.5     Excortise       Revision for Md-Semester Exem     Tutorial     Excortise: 10.1.13.13.13.13.13.13.13.13.13.13.13.13.1			Tutorial	
Sandaru Normal Disributions.     Letture     Ba Unique reseaution is only       BS Berdises: 51, 57, 531, 552, 542, 565     Tutorial     Interduction is Statistical Inference and Sampling     Letture     Bit Chapters 9 and 10       Bit Berdises: 811, 812, 819, 821a, 836     Tutorial     Interduction is Statistical Inference and Sampling     Lecure     Bit Chapters 9 and 10       Bit Berdises: 811, 812, 819, 821a, 836     Tutorial     Interduction is Statistical Inference and Sampling     Lecure     Bit Chapters 9 and 10       Bit Berdises: 811, 103, 103, 103, 103, 103, 103, 103, 1		Introduction to Spreadsheet	Workshop	LSE: Chapter 2
LSE: Chapter 3 - Exemples 33, 34, 31 and 32     Workshop       Instruction to Statistical Inference and Samping Exemples 5: 8.11, 8.12, 8.19, 8.21a, 8.38     Locture     BS: Chapter 9 and 10       BS: Exercises: 8.11, 8.12, 8.19, 8.21a, 8.38     Tutorial     Exemples 5: 8.11, 8.12, 8.19, 8.21a, 8.38       EXEMUTE distribution (part 1)     Locture     BS: Chapter 11       Exemples: 10.11, 10.3, 10.13 a. 8, c. 10.18, 10.27, 10.30     Tutorial       Exemples: 10.11, 10.3, 10.13 a. 8, c. 10.18, 10.27, 10.30     Tutorial       Exemples: 10.11, 10.3, 10.13 a. 8, c. 10.18, 10.27, 10.30     Tutorial       Exemples: 11.3, 11.0, 11.1, 11.8, 11.18, 11.55, 11.57, 11.55, 11.10     Tutorial       Exemples: 11.11, 11.2     Locture     BS: Chapter 11 and Chapter 13-omit section 13.5       Exemple: 7, 11.55, 11.10     Locture     BS: Chapter 11 and Chapter 13-omit section 13.5       Exemple: 7, 11.55, 11.11, 11.8, 11.18, 11.55, 11.57, 11.52     Tutorial     Revision for Md-Semester Exem       Revision for Md-Semester Exem     Tutorial     Revision for Md-Semester Exem     Schapter 16-omit section 16.7       Revision for Md-Semester Exem     Tutorial     Exemple 11.5, 13.3, 13.38     Tutorial       Schapter 11 - Exemple 9.1 and 9.2     Workshop     Exemple 15.1     Schapter 16-omit section 16	3		Lecture	BS: Chapter 8-section 8.3 only
Introduction to Statistical Inference and Sampling Distributions     Lecture     Bis Chapters 9 and 10       EXEARCISES: 811, 812, 819, 8218, 836     Tutorial     Introduction to Statistical Inference and Sampling Distributions       EXEARCISE: 10, 102, 101, 802, 10, 802, 10, 80, 200     Workshop     Introduction to Statistical Inference and Sampling Distributions       BS Exercises: 101, 103, 10, 13 a & c, 10, 18, 1027, 10, 30     Tutorial     Interval       BS Exercises: 101, 103, 10, 13 a & c, 10, 18, 1027, 10, 30     Tutorial     Interval       BS Exercises: 101, 103, 10, 13 a & c, 10, 18, 1027, 10, 30     Tutorial     Interval       BS Exercises: 113, 116, 117, 118, 118, 1155, 1157, 1156, 1170     Lecture     BS: Chapter 11 and Chapter 13-omit section 13.5       BS Exercises: Table, 11, 185, 1170     Lecture     BS: Chapter 13-omit section 13.5       Revision for Md-Semester Exem     Tutorial     Interval       Revision for Md-Semester Exem     Varishop     Interval       Exercises: 13.1, 13.6, 13.12, 13.51, 13.52     Tutorial     Interval       BS Exercises: 13.24, 13.8, 13.8, 13.8     Tutorial     Interval       Lecture     BS: Chapter 16-omit section 16.7, Notes published on portal     Interval       BS Exercises: 13.24, 13.8, 13.8, 13.8     Tutorial <td></td> <td>BS Exercises: 5.1, 5.7, 5.31, 5.52, 5.42, 5.65</td> <td>Tutorial</td> <td></td>		BS Exercises: 5.1, 5.7, 5.31, 5.52, 5.42, 5.65	Tutorial	
Distributions     Distributions     Distributions       BS Exercises: 811.8.12.8.19.8.218.8.36     Tutorial       BS Exercises: 811.8.12.8.19.8.218.8.36     Tutorial       BS Exercises: 10.1.03.10.13 a.8.0.10.18.10.27.     Tutorial       BS Exercises: 10.1.10.3.10.13 a.8.0.10.18.10.27.     Tutorial       LSE: Chapter 4 - Example 4.1     Workshop       BS Exercises: 11.3.11.6.11.7.11.8.11.7.5     Tutorial       SS Exercises: 11.3.11.6.11.7.11.8.11.7.5     Tutorial       BS Exercises: 10.3.0.13.2 % Control     Lecture       BS Exercises: 11.3.11.6.11.7.11.8.11.7.5     Tutorial       SS Exercises: 11.3.11.6.11.7.11.8.11.7.6     Tutorial       Revision for Mol-Semester Exam     Workshop       Revision for Mol-Semester Exam     Vorkahop       Revision for Mol-Semester Exam     Workshop       Esercises: 10.1.10.3.13.2.13.1.3.2     Tutorial       BS Exercises: 10.1.1.13.5.1.3.2.2     Tutorial       BS Exercises: 10.1.1.0.3.1.3.8.1.3.8.2     Tutorial       LSE Chapter 9 - Examples 9.1 and 9.2     Workshop       Exercises: 10.2.1.6.13.1.6.3.1.3.2.1.3.6.2     Tutorial       BS Exercises: 13.1.3.6.3.1.2.1.2.6.1.1.12     Workshop       Exercise		LSE: Chapter 3 - Examples 3.3, 3.4, 3.1 and 3.2	Workshop	
EXM1 during workshop     Workshop       6     Confidence Internal Estimation (part 1)     Lecture     BS: Chapter 11       BS Exercises: 10.1,10.3, 10.13 a. &, 10.18, 10.27, 10.30     Tutorial     Schapter 11       LSE: Chapter 4 - Example 4.1     Workshop     Exercises: 11.3, 11.6, 11.7, 11.8, 11.7, 11.	4		Lecture	BS: Chapters 9 and 10
5     Confidence Interval Estimation (part 1)     Lecture     BS: Chapter 11       BS: Exercises: 10.1, 10.3, 10.13 a. 8. c, 10.18, 10.27, 10.30     Tutorial     Tutorial       BS: Echapter 4 - Example 4.1     Workshop     Est: Chapter 14-Example 4.1     Workshop       BS: Exercises: 11.3, 11.6, 11.7, 11.8, 11.18, 11.55, 11.57, 11.55, 11.70     Tutorial     Est: Chapter 1-Example 7.1 BS Exercises: 11.79, Workshop     Workshop       7     Hyoothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5     Revision for Md-Semester Exam       Revision for Md-Semester Exam     Tutorial     Exercises: 13.1, 13.6, 13.12, 13.51     Tutorial       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       BS Exercises: 13.1, 13.6, 13.12, 13.51     Tutorial     Exercises: 13.1, 13.6, 13.12, 13.51     Tutorial       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7, Notes published on portal       9     Correlation Simple Linear Regression (Part 2)     Lecture     BS: Chapter 11-Examples 11.1, 11.2 and 11.3     Workshop       10     Correlation Simple Linear Regression (Part 3)     Lecture     Notes published on portal       11 <td></td> <td>BS Exercises: 8.11, 8.12, 8.19, 8.21a, 8.36</td> <td>Tutorial</td> <td></td>		BS Exercises: 8.11, 8.12, 8.19, 8.21a, 8.36	Tutorial	
BS Exercises: 10.1, 10.3, 10.3 a & c, 10.18, 10.27, 10.30     Tutorial       LSE: Chapter 4 - Exemple 4.1     Workshop       4     Hyoothesis Testing (part 1)     Lecture     BS: Chapter 11 and Chapter 13-omit section 13.5       5     BS Exercises: 11.3, 11.6, 11.7, 11.8, 11.18, 11.56, 11.57, 11.65, 11.70     Tutorial     BS: Chapter 13-omit section 13.5       7     Hyoothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hyoothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hyoothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hyoothesis Testing (part 2)     Lecture     BS: Chapter 16-omit section 13.5       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       8     Eversions: 13.1, 13.6, 13.12, 13.51, 13.52     Tutorial     Eversion 2 (Md Exam) to be conducted on Monday     Everning this week       9     Correlation Simple Linear Regression (Part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       18     Eversioes: 13.28, 13.83, 13.84     Tutorial     Eversioes: 10.2; Notes published on portal       19     Correlat		EXAM1 during workshop	Workshop	
10.30     Hubba       10.30     LSE: Chapter 4 - Example 4.1     Workshop       4     Hypothesis Testing (part 1)     Lecture     BS: Chapter 11 and Chapter 13-omit section 13.5       5     Steprisses: 113, 116, 117, 118, 11.18, 11.55, 11.57, 11.68, 11.70     Tubrial       1.57, 11.68, 11.70     Lecture     BS: Chapter 13-omit section 13.5       1.57, 11.68, 11.70     Lecture     BS: Chapter 13-omit section 13.5       1.57, 11.68, 11.70     Lecture     BS: Chapter 13-omit section 13.5       1.57, 11.68, 11.70     Lecture     BS: Chapter 13-omit section 13.5       1.57, 11.68, 11.70     Lecture     BS: Chapter 13-omit section 13.5       1.57, 11.68, 11.70     Lecture     BS: Chapter 13-omit section 13.5       Revision for Md-Semester Exam     Workshop     Exemption 11.5, 13.5, 13.12, 13.13, 13.5, 13.25       1.58     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       1.58     Chapter 9 - Examples 9.1 and 9.2     Workshop     Exemination       2.50     Correlation Simple Linear Regression (Part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       2.51     Correlation Simple Linear Regressio	5	Confidence Interval Estimation (part 1)	Lecture	BS: Chapter 11
6     Hypothesis Testing (part 1)     Lecture     BS: Chapter 11 and Chapter 13-omit section 13.5       BS: Exercises: 11.3, 11.6, 11.7, 11.8, 11.18, 11.18, 11.55, 11.57, 11.55, 11.57, 11.55, 11.70     Tutorial     Norkshop       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       9     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7       10     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7       11     Exercises: 13.28, 13.83, 13.88     Tutorial     Lecture     Sciencise: 16.12, 16.13, 16.34, 16.35     Tutorial			Tutorial	
Bit Derivation     Derivation     Derivation       11.57.11.65.11.70     Tutorial     Tutorial       11.57.11.65.11.70     User Chapter 7 - Example 7.1 BS Dercises: 11.79, Workshop     Workshop       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       Revision for Md-Semester Exam     Tutorial     Revision for Md-Semester Exam     Workshop       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 13-omit section 16.7       105     Exam 2 (Md Exam) to be conducted on Monday     Examination     Examination       9     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7, Notes published on portal       105     Exam 2 (Md Exam) to be conducted on Monday     Examination     Examination       105     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7, Notes published on portal       105     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7, Notes published on portal       105     Correlation Simple Linear Regression (Part 3)     Lecture     Notes published on portal       105     Exercises: 16.12, 16.13, 16.34, 16.		LSE: Chapter 4 - Example 4.1	Workshop	
11.57, 11.85, 11.70     Iduitie       11.57, 11.85, 11.70     Iduitie       11.57, 11.85, 11.70     Workshop       11.81, 11.82     Workshop       7     Hypothesis Testing (part 2)     Lecture     BS: Chapter 13-omit section 13.5       Revision for Md-Semester Exam     Tutorial     Interval       Revision for Md-Semester Exam     Workshop     Interval       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       ISE Chapter 9 - Examples 9.1 and 9.2     Workshop     Interval     Interval       Examination     Examination     Examination     Interval       Examination Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       BS Exercises: 13.28, 13.83, 13.88     Tutorial     Interval     Interval       ISE Chapter 11 - Examples 11.1, 11.2 and 11.3     Workshop     Interval       ISE Chapter 11 - Examples 11.1, 11.2 and 11.3     Workshop     Interval       Ise Chapter 11 - Example 15.1     Workshop     Interval       Ise Chapter 15 - Example 15.1     Workshop     Interval       Ise Chapter 15	6	Hypothesis Testing (part 1)	Lecture	BS: Chapter 11 and Chapter 13-omit section 13.5
11.81, 11.82     Voinside       11.81, 11.82     Woinside       11.81, 11.82     Woinside       Revision for Md-Semester Exam     Tutorial       Revision for Md-Semester Exam     Workshop       8.     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       8.     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       8.     Correlation Simple Linear Regression (Part 2)     Workshop     Examples 9.1 and 9.2       1.SE Chapter 9 - Examples 9.1 and 9.2     Workshop     Examination       9.     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       9.     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       1. SE: Chapter 11 - Examples 11.11, 11.2 and 11.3     Workshop     Exercises: 13.28, 13.83, 13.88     Tutorial       1. SE: Chapter 15 - Example 15.1     Workshop     Exercises: 16.12, 16.13, 16.34, 16.35     Tutorial       1. SE: Chapter 15 - Example 15.1     Workshop     Exercises: 16.12, 16.13, 16.34, 16.35     S: Chapter 17-omit sections 17.3 and 17.4 <tr< td=""><td></td><td></td><td>Tutorial</td><td></td></tr<>			Tutorial	
Revision for Md-Semester Exam     Tutorial       Revision for Md-Semester Exam     Workshop       8     Correlation Simple Linear Regression (Part 1)     Lecture     BS: Chapter 16-omit section 16.7       BS Exercises: 13.1, 13.6, 13.12, 13.51, 13.52     Tutorial     Interval       LSE Chapter 9 - Examples 9.1 and 9.2     Workshop       Exam 2 (Md Exam) to be conducted on Monday     Examination       9     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       18     Evercises: 13.28, 13.83, 13.88     Tutorial     Interval       19     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       19     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       10     Correlation Simple Linear Regression (part 2)     Lecture     BS: Chapter 16-omit section 16.7; Notes published on portal       11     Correlation Simple Linear Regression (part 2)     Lecture     Notes published on portal       125: Chapter 11 - Examples 11.1, 11.2 and 11.3     Workshop     Interval       126: Corelation and Regression - Multiple Regression			Workshop	
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14 FINAL EXAM Examination Date and Time To Be Advised		BS Exercises: 19.5, 19.6	Tutorial	Practice Questions for Final Exam
	14	FINAL EXAM	Examination	Date and Time To Be Advised

# Assessment

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This section sets out the assessment requirements for this course.

Summary of Assessment

ltem	Assessment Task	Weighting	Relevant Learning Outcomes	Due Date	

1	EXAM1	10%	1,2	4
2	EXAM2 (Mid Exam)	25%	1,2,3	7
3	COMPUTING EXAM	20%	3,4,5,6	12
4	FINAL EXAM	45%	3,4,6	14

# Assessment Details

1. Exam 1 will be held in week 4 during your scheduled computer workshop time. NOTE: Exam 1 is not a computing assessment. It consists of multiple choice and short answer questions that are to be solved manually using a calculator. Exam 1 is worth 10% of the assessment of the course and examines materials taught in lectures weeks 1 and 2.

2. Exam 2 (Mid Exam) will be held on the Thursday evening of Week 7 (time and venue to be advised by your lecturer in week 5). It consists of both multiple-choice and short answer questions covering the materials taught in lectures from weeks 3 to 5 inclusively. The mid-semester exam is worth 25% of the assessment of the subject. The exam involves both theoretical and calculation questions.

3. The computing exam will be held in week 12 during your scheduled workshop time. It consists of a number of short answer questions involving calculations and interpretations that are to be solved using Excel. All materials covered during the computing workshops are examinable. The computing exam is worth 20% of the assessment of the course.

4. The final exam consists of a number of multiple-choice and practical short answer questions. To be successful in this exam, you need to have a solid understanding of all topics covered in the course. The exam however will mainly examine lecture materials taught in weeks 6 to 12 inclusively. The final exam is worth 45% of the assessment of the course. The exam will involve theoretical, interpretation and calculation questions.

NOTE: To obtain a minimum pass grade for the course you will have to achieve an overall combined result from all assessments of 50%.

### Submission and Return of Assessment Items

Normally you will be able to collect your assignments in class within fourteen [14] days of the due date for submission of the assignment.

### **Retention of Originals**

You must be able to produce a copy of all work submitted if so requested. Copies should be retained until after the release of final results for the course.

#### Extensions

To apply for an extension of time for an assignment, you must submit an Application for Extension of Assignment form to your teacher at least 24 hours before the date the assignment is due. Grounds for extensions are usually, serious illness, accident, disability, bereavement or other compassionate circumstances and must be able to be substantiated with relevant documentation [e.g. Griffith College Medical Certificate]. Please refer to the Griffith College website - Policy Library - for guidelines regarding extensions and deferred assessment.

### Assessment Feedback

Marks awarded for assessment items will also be available on the on-line grades system on the Student Website within fourteen [14] days of the due date.

# **Generic Skills**

Griffith College aims to develop graduates who have an open and critical approach to learning and a capacity for lifelong learning. Through engagement in their studies, students are provided with opportunities to begin the development of these and other generic skills.

Studies in this course will give you opportunities to begin to develop the following skills:

Generic Skills	Taught	Practised	Assessed
Written Communication		Yes	Yes
Oral Communication		Yes	
Information Literacy	Yes	Yes	Yes
Secondary Research	Yes	Yes	Yes
Critical and Innovative Thinking	Yes	Yes	Yes
Academic Integrity		Yes	Yes
Self Directed Learning		Yes	Yes
Team Work		Yes	
Cultural Intelligence		Yes	

#### Additional Course Generic Skills

Specific Skills	Taught	Practised	Assessed
Data Analysis	Yes	Yes	Yes
Spreadsheet Programming	Yes	Yes	Yes

### Additional Course Information

### **Teacher and Course Evaluations**

Students generally find the topics on probability and inferential statistics to be fairly technical and rather challenging. They have however found that the extensive use of practical examples on the lecture summary notes and additional resources provided to be very useful to improve their learning.

Your feedback is respected and valued by your lecturers and tutors. You are encouraged to provide your thoughts on the course and teaching, both positive and critical, directly to your lecturer and tutor or by completing course and lecturer evaluations on the Griffith College portal whenever these are available.

#### Academic Integrity

Griffith College is committed to maintaining high academic standards to protect the value of its qualifications. Academic integrity means acting with the values of honesty, trust, fairness, respect and responsibility in learning, teaching and research. It is important for students, teachers, researchers and all staff to act in an honest way, be responsible for their actions, and show fairness in every part of their work. Academic integrity is important for an individual's and the College's reputation.

All staff and students of the College are responsible for academic integrity. As a student, you are expected to conduct your studies honestly, ethically and in accordance with accepted standards of academic conduct. Any form of academic conduct that is contrary to these standards is considered a breach of academic integrity and is unacceptable.

Some students deliberately breach academic integrity standards with intent to deceive. This conscious, pre-meditated form of cheating is considered to be one of the most serious forms of fraudulent academic behaviour, for which the College has zero tolerance and for which penalties, including exclusion from the College, will be applied.

However, Griffith College also recognises many students breach academic integrity standards without intent to deceive. In these cases, students may be required to undertake additional educational activities to remediate their behaviour and may also be provided appropriate advice by academic staff.

As you undertake your studies at Griffith College, your lecturers, tutors and academic advisors will provide you with guidance to understand and maintain academic integrity; however, it is also your responsibility to seek out guidance if and when you are unsure about appropriate academic conduct.

Please ensure that you are familiar with the Griffith College Academic Integrity Policy; this policy provides an overview of some of the behaviours that are considered breaches of academic integrity, as well as the penalties and processes involved when a breach is identified.

For further information please refer to the Academic Integrity Policy on the Griffith College website - Policy Library.

# **Risk Assessment Statement**

There are no out of the ordinary risks associated with this course.

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