



MONASH University

Information Technology

FIT3158

Business Decision Modelling

Semester 2, 2022

Introduction to FIT3158

The Teaching Team

- Lecturers:

- ❖ Dr. Heshan Kumarage, heshan.kumarage@monash.edu
- ❖ Dr. David Dowe, david.dowe@monash.edu

- Tutors:

- ❖ Danushka Liyanage, Danushka.PitivilaLiyanage1@monash.edu
- ❖ Dr. Heidi Quah, heidi.quah@monash.edu
- ❖ Malika Ratnayake, malika.ratnayake1@monash.edu

Use your Monash account for all emails to lecturer and tutors

Lectures & Consultation

- Lectures:
 - Tuesday 5pm – 7pm (CL_Rnf-21.Biology_S7)
 - Recording/Live stream accessible through echo360 link in unit website under [Class Streaming](#)
- Students who attend lectures get better results!
- Consultation Times: TBA/Please check Moodle
- Consultations will start from week 3

Tutorials (Clayton)

- [Allocate+ Login](#)
- [Enter preferences in Allocate+ :](#)
- [Request help/Fix Problems with Allocate+:](#)
- Tutorials:
 - THU 04:00 PM (Tutorial 02_OnCampus)
 - THU 06:00 PM (Tutorial 04_OnCampus)
 - FRI 03:00 PM (Tutorial 01_OnCampus)
 - WED 05:00 PM (Tutorial 05_OnlineRealTime)
 - THU 01:00 PM (Tutorial 06_OnlineRealTime)

(Online tutorial zoom links provided in the Unit website under Class Streaming)

Tutorials

- No tutorials this week.
- But please try the DIY tutorial to familiarise yourself with some Excel basics.
- You are expected to:
 - Complete all discussed exercises during the tutorial
 - Attend another tutorial if you cannot make it to your allocated tutorial
 - check with your tutor to make sure this is OK.

Resources

- Unit Web Page:

[FIT3158 Business Decision Modelling S2 2022](#)

- Downloads:
 - Lecture notes in *.PDF format
 - Reading Material
 - Tutorial questions and solutions
 - Sample examination paper
- Software:
 - Microsoft Excel (Solver)

Textbook/Recommended reading

Textbook:

- Ragsdale, C., Spreadsheet Modeling & Decision Analysis: A Practical Introduction to Business Analytics 8th Ed, Cengage Learning 2017. (9th Ed now available)

Recommended Reading:

- Camm, J., et al, Essentials of Business Analytics 2nd Ed, Cengage Learning 2017.
- Powell, S. and Baker, K., Business Analytics: The Art of Modeling With Spreadsheets, 5th Ed, Wiley 2016.
- Anderson D., et al, Quantitative Methods for Business 13th Ed, Cengage Learning 2015.

Anticipated Workload (per week)

Minimum total expected workload equals 12 hours per week comprising:

(a.) Contact hours:

- Two hours lectures
- Two hours tutorials

(b.) Additional requirements:

- A minimum of 8 hours independent study per week for completing tutorial and assignment work, private study and revision.

Assessment

To pass the unit you must obtain:

- At least 45% in the unit's examination,
- At least 45% in the unit's total non-examination assessment
- And an overall unit mark of 50% or more.

Assessment	Due-Date	% of Marks
Assignment 1	Friday 14th OCT	30%
In-Semester Test: Online Quiz	Friday 11PM Week 2 - Week 11	10%
Exam	TBA	60%

Unit Outcomes

At the completion of this unit, students should be able to:

- develop interactive decision models for business analysis and business process improvements;
- design and implement and analyse spreadsheet-based simulations and mathematical optimisation models;
- interpret the results of mathematical decision models and conduct sensitivity analyses;
- critically assess the accuracy and applicability of modelling techniques; communicate the results of model-based decision analysis.

Unit Outline

Refer to Unit Schedule as given in Moodle Unit Preview

[FIT3158 Unit Preview](#)

Seek assistance as a preventative measure



Take the following relevant preventative measures as soon as possible, if you are falling behind in your studies:

- Study difficulties: Discuss any difficulties you are experiencing with your course leader, unit coordinator, lecturer or tutor.
 - These staff members can assist you in identifying your problem areas and explore the options available to you in your course.
- Language and learning online can help you with study methods, language skills and work presentation
<http://www.monash.edu.au/lis/llonline/>
- Student life and support services can be found at:
<http://monash.edu/students/support/>

and include: Health services, counselling support and services

Do you have a disability, medical or mental health condition that may impact on your study?

Disability Support Services provides a range of services for registered students including:

- Note takers and Auslan interpreters
- Readings in alternative formats
- Adaptive equipment and software
- Alternative arrangements for exam and class tests

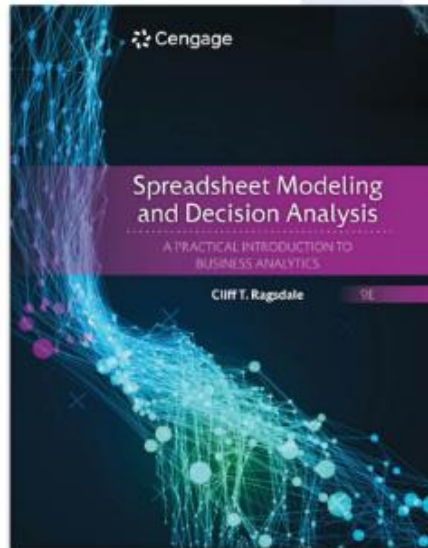
Disability Support Services also support students who are carers of a person with a disability, medical or mental health condition, or who is aged and frail.

For further information and details about how to register:

T: 03 9905 5704

E: disabilitysupportservices@monash.edu

<https://www.monash.edu/students/support/disability>



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