

SWEN90016

Software Processes & Project Management

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2021 – Semester 2

Lecture 1

Your Subject Support Staff

Lecturer: *Dr. Marion Zalk*
(Subject Coordinator)



Tutors



*Christina
Liang*



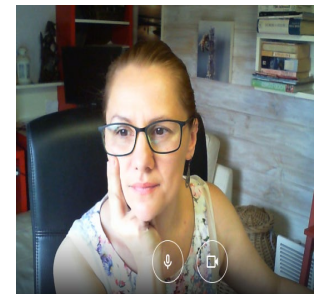
*Rajesh
Sundaram*



*Doc
Wallace*



*Eileen
O'Callaghan*



*Renata
Romila*

Marion Zalk – Subject Coordinator

Academic – Melbourne lecturer

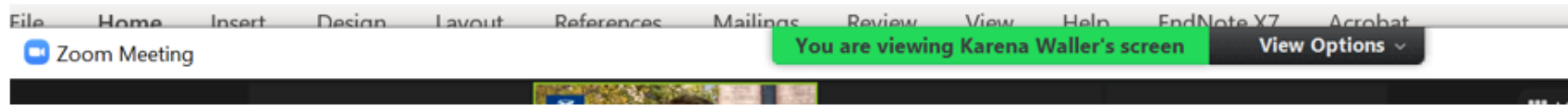


Professional Experience

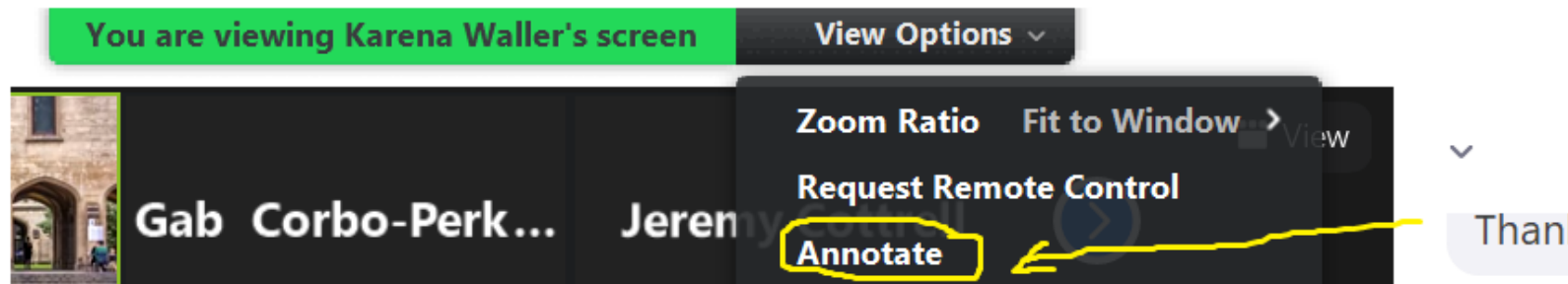
- Senior Programmer/Analyst
 - Financial and wealth management organizations (Citigroup in London, UBS & ComputerShare in Melbourne, MCubed); Consultant
- 8 Years experience
 - Waterfall, agile, hybrid
- PhD (University of Melbourne)

Annotate

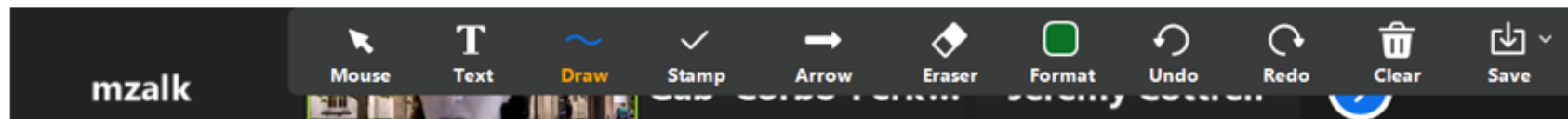
Step 1:



Step 2:



Step 3:



Who are You?

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AIM

The aim of this subject is to introduce students to the software engineering principles, processes, tools and techniques for analysing and managing complex software projects.

INTENDED LEARNING OUTCOMES

- Select appropriate software engineering processes and practices projects
- Manage team dynamics and professional communication
- Plan and manage projects
- Identify risks and modify project activities to mitigate these risks
- Manage software project activities to ensure a quality product
- Describe human and organisational implications of change and explain the organisational change process.

GENERIC SKILLS

- In-depth knowledge project management areas of knowledge
- Reach a high level of achievement in writing, research or project activities problem-solving and communication through the writing of project analyses
- Ability to function effectively as an individual and in a multidisciplinary and multi-cultural team as a leader, manager or effective team-member
- Understand and respect ethics and intellectual integrity
- Writing and communication skills.

Content/Theory

- Monday 6:15pm - 7:15pm (not scheduled, previously was pre-recorded, not every week; some pre-recorded)

Discussion/Application of theory/Case Study

- Thursday 5:15pm - 6:15pm
- Quiz (weeks 5, 9, 11)

Available via LMS - lecture capture

**Tutorials Start
Monday
Week 2**

TUTORIALS / WORKSHOPS

- Student are expected to attend one one-hour workshop/tutorial each week.
- **Workshops are intended to take concepts and principles discussed in lectures and to apply them to realistic examples.**
- Students are expected to *actively* engage in workshops and show initiative, ask questions, conduct workshop exercises and in engage in the discussions

PLAGERISM AND COLLUSSION

- Submissions must be own independent work or group project work.
- Faculty policy: mechanisms for establishing contributions of individuals to group work
- University policy: see <http://academichonesty.unimelb.edu.au/policy.html>
- If plagiarism or collusion is detected, harsh penalties must and will be applied
- Module on LMS to complete

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EXERCISE?
i thought you said
"Extra Fries"



How do you get help?

General inquiries: Discussion forum on LMS

- We encourage all students to join in discussions – answering other students' questions is one of the best ways to improve your own understanding and is part of the learning process
- Discussion board- do not post sections of your assignments/solutions- if you must include these, private-message the instructors
- If you email us about a general inquiry, we may ask you to re-post your question in the forum

Personal/private concerns: Email the lecturer

Please include SWEN90016 in email subject

Email: swen90016@lists.unimelb.edu.au

PLEASE DO NOT EMAIL MY STUDENT ACCOUNT

Due dates are available in LMS- Assignments, Quizzes (3 for marks, week 5, 9, 11) and other quizzes for review (not for marks)

Hurdle: 25/50 for assignments (overall) and 25/50 for quizzes and exam (overall).

I'll be discussing Assignments in more detail next

Zoom

Please update your computer to the latest version to make use of the features

Cameras- I am recording each live lecture for lecture capture; workshops are not recorded

This subject is interactive and requires active learning, this is dependent on students joining and engaging and talking, this is important for your learning (it is not passive subject).

Feedback has been mostly positive, a few suggestions for improvement.

1. General

- Would like to thank all teaching staff in delivery of quality content in a tough period! The presenters both lecturing and tutoring were great.
- Make it an elective, not core.
- Having mid-term break on week 9 is really a bad idea
- I found my two units (SWEN90016 and xx) to be engaging and impactful - especially being my first semester in post-graduate study.
- The harder, more complex topics were given equal time as the more simple topics, an extra week or workshop reviewing them (project scheduling and cost estimation)
- High interaction based learning with integrated quizzes within the lectures and group discussion based learning in tutorials
- In industry they use hybrid models, so what we learn is irrelevant
- The material was laid out very well, and all of the teaching staff did their best to engage all of the students and make sure nobody was left behind conceptually
- X's mic makes it slightly hard to follow.
- Person's accent difficult to follow for international students.
- Practical learning

Feedback has been mostly positive, a few suggestions for improvement.

2. Lectures

- For online learning I also prefer shorter 1 hour lectures. 2 hour zoom lectures are too long, especially in the evening it is very easy to lose focus.
- The lectures are not engaging and interactive. Too much talking on concepts instead of how to apply them in real life.
- The lecturers and tutors are working hard for presenting a subject with good quality.
- The lecture slides are clear on knowledge of the topic.
- The lecturer reads the slides
- The online learning experience was just fabulous. Particularly the lecture recordings and the study materials provided by the teaching staff was highly effective and did me to a great extent.
- Staff represent project management in the slowest changing sectors, government, health and banking.
- I can see that the materials are constantly being updated and also the teaching team try to keep it relevant to the current working conditions.

3. Exam revision

Feedback has been mostly positive, a few suggestions for improvement.

4. Assignments

- Assignments were interesting
- Create open sessions for us to discuss assignment and ask broad questions
- Clear assignment requirements
- The assignment's requirements should be clearer. And it would be really helpful for us to get some examples of the assignments. Since the students have various academic background, some may be familiar with what the assignment is talking about, others probably even have no idea to do a draft. Although we did researches, investigation and asked in discussion board, an example would be more useful. The example can give us a direction to do a correct thing.
- Learned more about how to plan and manage the development process.
- Teamwork in writing group project.

Feedback has been mostly positive, a few suggestions for improvement.

5. Tutor and tutorials

- Tutor X doesn't seem to enjoy teaching and rush through everything ; Tutor Y is
- I felt the tutorials were run fairly interactively and there was a reasonable amount of practice and hands on learning that worked well with the subject material.

6. Discussion boards

- Thank you Marion for putting efforts into building such an efficient and helpful discussion board for students
- The subject coordinator would reply very soon and willing to answer our questions.

7. Quizzes

- I liked the quizzes during the semester, as they helped me to stay up to date with the content and make the current exam preparation much easier.
- Questions were subjective
- Intermittent tests were a great way of keeping up to date with the content. I wish more subjects had this



English

- Exam settings
- Documents and screenshots for assignments
- Please ask if I use an unfamiliar term- showstopper bug

Australia

- Working week is 5 days
- No work on weekends

All questions (assume working in Australia and would fit this context)



Weeks 5, 9, 11

- 15 minutes in a 25-minute window;
- Discuss the solutions
- During the lecture time (open 15 minutes before and then first 15 minutes of the lecture)
- Lecture (week 5, 9, 11)



Assignment 1 - Learning Outcomes:

Analysis of an IT project case study that will demonstrate the ability to:

- identify the goals of the project;
- identify the key characteristics for the project;
- identify the risks in the project as identified at the start of the project; and
- justify the choice of a suitable software development lifecycle (SDLC) model to manage the project.



Assignment 1:

- Assignment specification will be given out by the end of week 2 – due week 5
- You are expected to spend ~30 hours
- You will answer a set of questions related to a given case study
- Will be based on the material covered in weeks 1-4
- Ethics Q that will be due in week 12 (covered in week 9)



Assignment 2 - Learning Outcomes:

An IT system development project that will demonstrate the ability to:

- develop a Project Management Plan (PMP) for a given project brief;
- plan the activities involved in the chosen process using an SDLC of your choice;
- execute, monitor and control processes to achieve an outcome; and
- work effectively in a team.



Assignment 2

Teams:

- We will organise teams of 4-5 members during week 3
- Week 3 workshop attendance is mandatory as we will be selecting teams
- Each student is expected to spend 30-40 hours on the project
- If you have not done the foundation subjects in your degree (or have received credit for them) please consider doing this subject next semester, after you complete the foundation subjects

Assignment 2:

- Assignment specification will be given out by the end of week 5 – due week 7, 11 and a presentation in week 12
- You are expected to spend ~30 hours
- Will be based on all the material

LMS walk-through

Class rep

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If you are interested in becoming class representative

Please email me

mzalk@unimelb.edu.au

Images downloaded from

Slide 5

Esha Solanki (6 July 2021). <http://www.facebook.com/Women in IT>

Slide 9

https://www.clipartkey.com/downpng/whRbT_question-mark-pictures-of-questions-marks-clipart-cliparting/

Slide 9

Minion Quotes (3 July 2021). <http://www.facebook.com/Minion Quotes>.

Lecture 1 – Intended Learning Objectives

Module 1: Subject Introduction

Module 2: Introduction to Projects

Module 3: Projects