



THE UNIVERSITY OF  
MELBOURNE

# SWEN90016

## Software Processes & Project Management

Introduction  
Project Initiation  
Medic Case Study  
Assignment 1

Tutor:

Email:

Tutorial format: *Active participation (this means you need to be on video when you speak).*



Group discussion is a must as is arriving on time. Think critically about content.

The tutors do not know how to help unless you communicate with us, so ... ask questions.

As a collective we are a team, this session is for your benefit so bring your best game along.

## What is the first project management process?

Planning

Execution

Initialization

Monitor and Control

...type your answer in the chat

Understand the initialization phase by doing an activity for each phase

1. Business needs analysis
2. Analyse constraints
3. Stakeholder analysis

The first Project Management **process**: initialization

analyze Case Study  
(business needs)

analyze constraints  
(scope, time, cost)

develop Business Case  
(cost verses benefit)

not part of  
this course

develop Project Charter  
(stakeholder analysis)

**Activity:** You want to cycle from Melbourne to Sydney.  
Groups of 4

analyze Case Study  
(business needs)

- What are the challenges for such a project?
- What risks would this project need to consider?



# Project Characteristics

**Project:** You want to cycle from Melbourne to Sydney.

**Goal:**

**Challenge:**

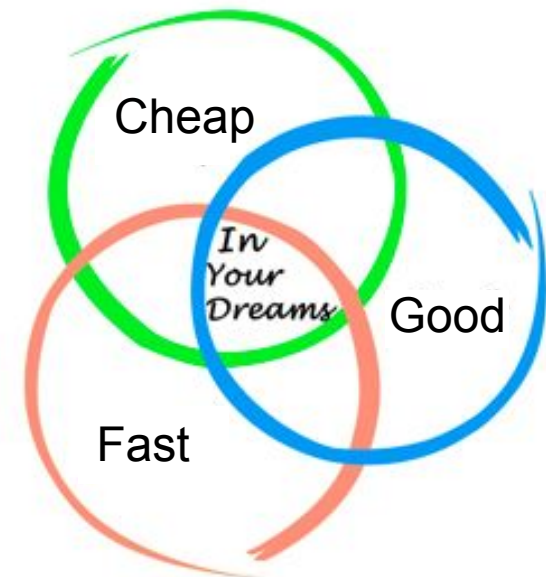
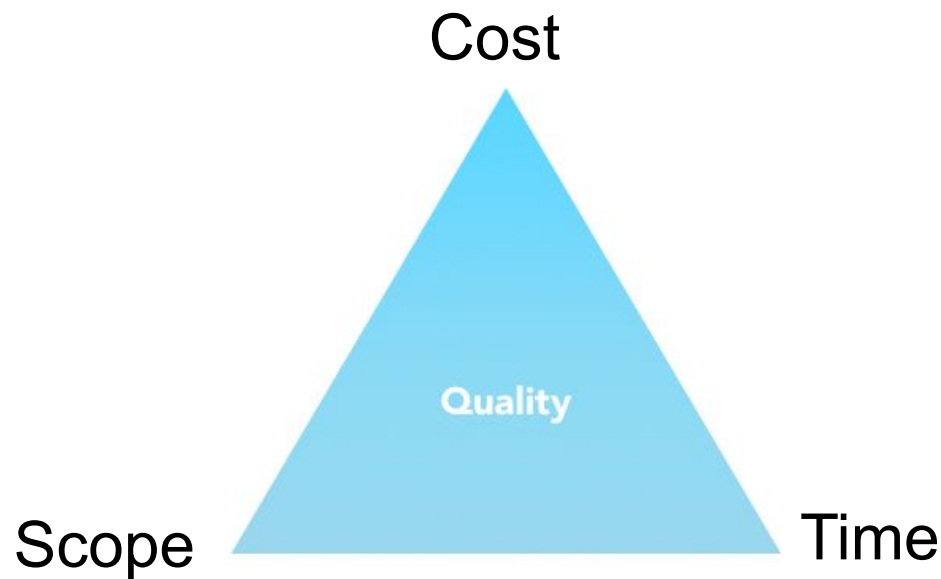
**Risk:**



# Project Constraints

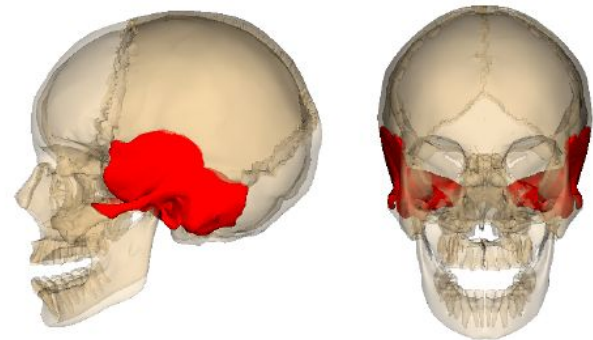
Know your project's  
*triple constraint*

analyze constraints  
(scope, time, cost)





## Case Study 1 -Virtual Temporal Bone Surgery



What kind of system is this?

Discuss and plan and question

Get into groups of 4-5 people.

Fill in the exercise sheet.

Person Days clues:

Cost clues:

# Medic Case Study Exercise

## Project Information and Estimation

Item	Value	Reason
Team Size		
Person Days		
Cost		
Project Goal		
Key Characteristics		
Possible Risks		

## Know your project's *risks*

- If this project was to fail, what do you think would be the reason?
- What harm minimization strategies would you plan to use?



Marks: 20%

What: Figure out an appropriate SDLC for a given Case Study

How to do well:

1. Critical analysis of Case Study's characteristics and risks
2. Critical analysis of more than one SDLC's processes
3. Balance the pros and cons and justify your choice of SDLC

Any Questions?

# Thank You!