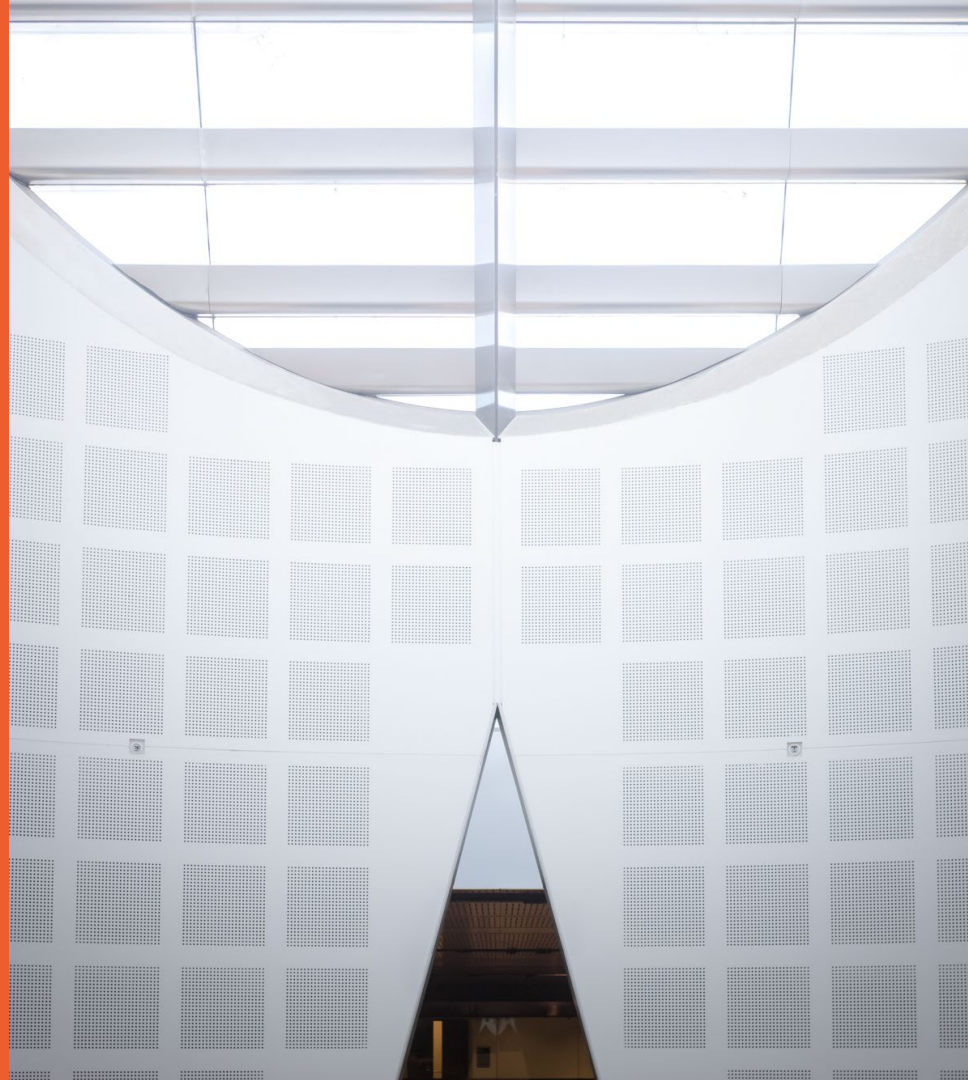


Capstone Project

Presented by

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Faculty of Engineering, School of Computer Science



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COMMONWEALTH OF AUSTRALIA

Copyright Regulations 1969

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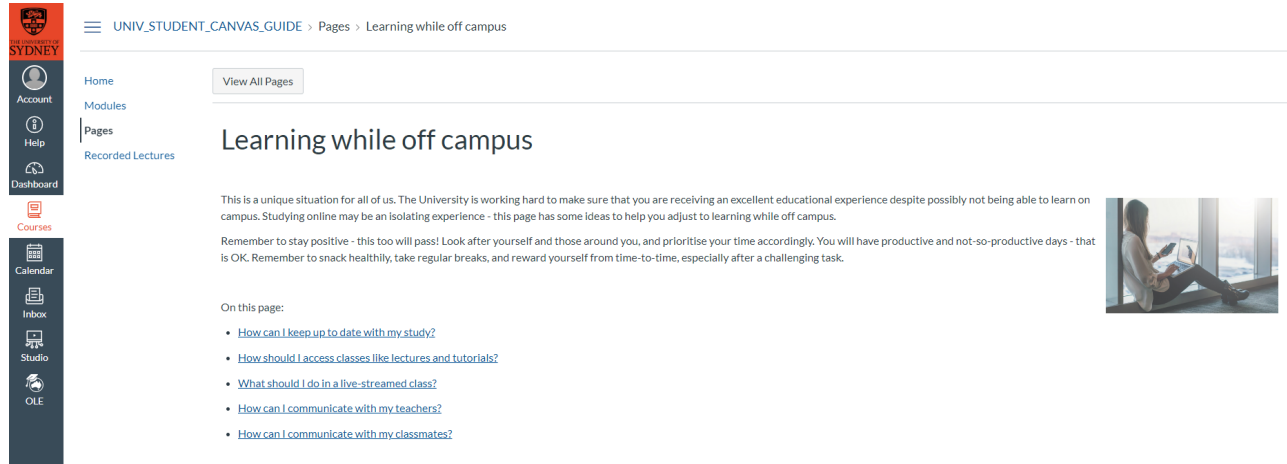
Do not remove this notice.

Agenda

- Support and Policy from University
- Capstone Unit Overview
- 5703 Group Capstone Unit
- 5709 Individual Capstone Unit
- 5707/5708 Individual Part-time Capstone Unit

Tips for students learning online

- For tips and guides on learning online and the tools you will use, refer to [Learning while off campus resources](#) in Canvas.



The screenshot displays the Canvas LMS interface. On the left is a dark sidebar with the University of Sydney logo and navigation links: Account, Help, Dashboard, Courses, Calendar, Inbox, Studio, and OLE. The main content area has a breadcrumb trail: UNIV_STUDENT_CANVAS_GUIDE > Pages > Learning while off campus. Below this is a 'View All Pages' button. The page title is 'Learning while off campus'. The content includes a paragraph about the unique situation of learning online, a reminder to stay positive, and a list of links for further guidance. A small image of a student working on a laptop is visible on the right.

UNIVERSITY OF SYDNEY

Account
Help
Dashboard
Courses
Calendar
Inbox
Studio
OLE

UNIV_STUDENT_CANVAS_GUIDE > Pages > Learning while off campus

View All Pages


Learning while off campus

This is a unique situation for all of us. The University is working hard to make sure that you are receiving an excellent educational experience despite possibly not being able to learn on campus. Studying online may be an isolating experience - this page has some ideas to help you adjust to learning while off campus.

Remember to stay positive - this too will pass! Look after yourself and those around you, and prioritise your time accordingly. You will have productive and not-so-productive days - that is OK. Remember to snack healthily, take regular breaks, and reward yourself from time-to-time, especially after a challenging task.

On this page:

- [How can I keep up to date with my study?](#)
- [How should I access classes like lectures and tutorials?](#)
- [What should I do in a live-streamed class?](#)
- [How can I communicate with my teachers?](#)
- [How can I communicate with my classmates?](#)



Do you have a disability?

You may not think of yourself as having a 'disability' but the definition under the **Disability Discrimination Act (1992)** is broad and includes temporary or chronic medical conditions, physical or sensory disabilities, psychological conditions and learning disabilities.

The types of disabilities we see include:

Anxiety // Arthritis // Asthma // Autism // ADHD

Bipolar disorder // Broken bones // Cancer

Cerebral palsy // Chronic fatigue syndrome

Crohn's disease // Cystic fibrosis // Depression Diabetes //

Dyslexia // Epilepsy // Hearing impairment // Learning disability //

Mobility impairment // Multiple sclerosis // Post-traumatic stress //

Schizophrenia // Vision impairment

and much more.

Students needing assistance must register with Disability Services.

It is advisable to do this as early as possible. Please contact us or

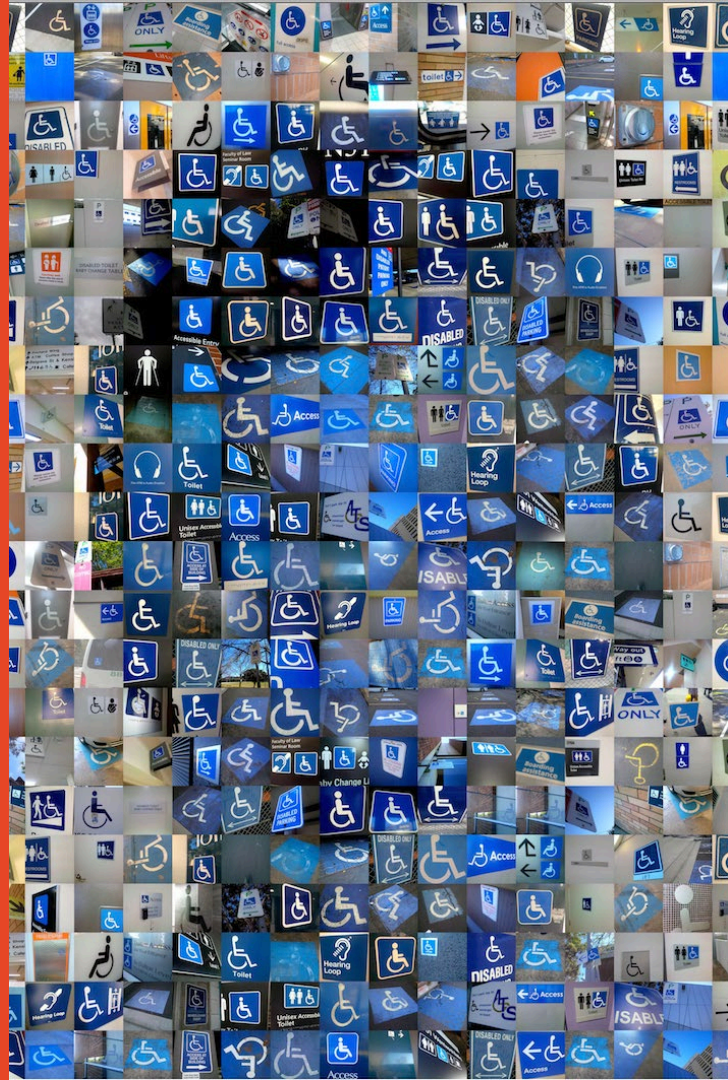
review our website to find out more

<http://sydney.edu.au/study/academic-support/disability-support.html>



THE UNIVERSITY OF
SYDNEY

Disability Services Office
sydney.edu.au/disability
02-8627-8422



Other support

- Learning support
 - <http://sydney.edu.au/study/academic-support/learning-support.html>
- International students
 - <http://sydney.edu.au/study/academic-support/support-for-international-students.html>
- Aboriginal and Torres Strait Islanders
 - <http://sydney.edu.au/study/academic-support/aboriginal-and-torres-strait-islander-support.html>
- Student organization (can represent you in academic appeals etc)
 - <http://srcusyd.net.au/> or <http://www.supra.net.au/>

Assistance

- There are a wide range of support services available for students
- Please make contact, and get help
- You are not required to tell anyone else about this
- If you are willing to inform the unit coordinator, they may be able to work with other support to reduce the impact on this unit
 - eg provide advice on which tasks are most significant

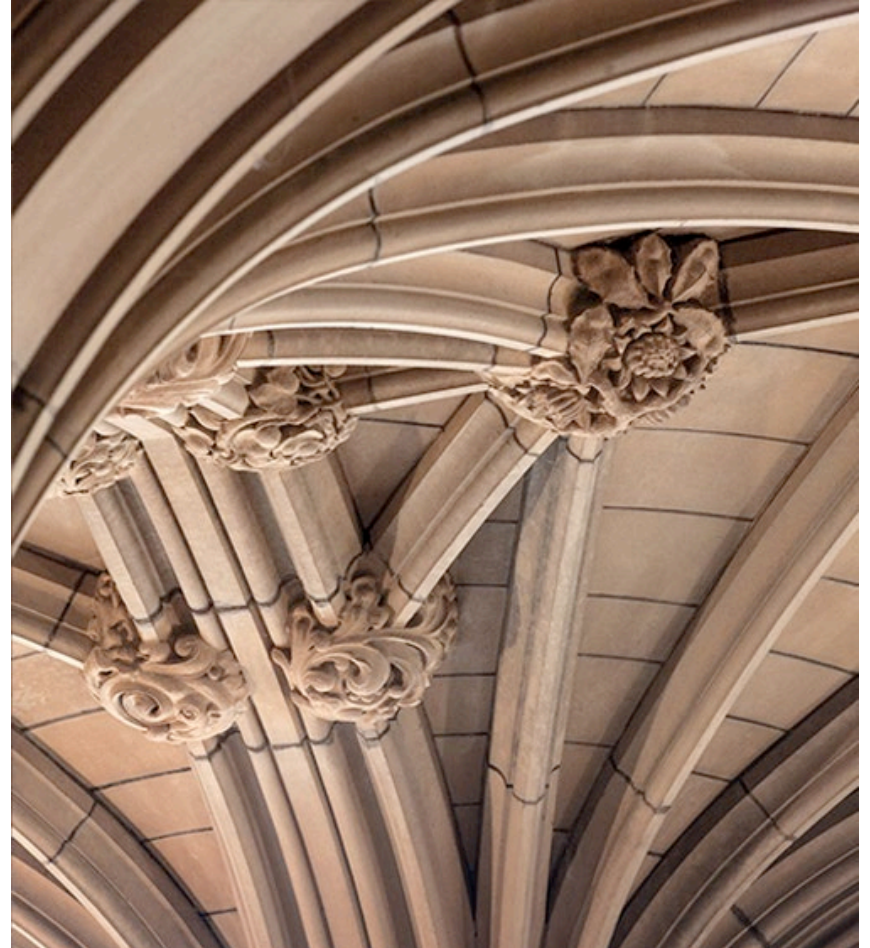
Special Consideration (University policy)

- If your performance on assessments is affected by illness or misadventure
- Follow proper bureaucratic procedures
 - Have professional practitioner sign special USyd form
 - Submit application for special consideration online, upload scans
 - Note you have only a quite short deadline for applying
 - http://sydney.edu.au/current_students/special_consideration/
- Also, notify coordinator by email as soon as *anything begins to go wrong*
- There is a similar process if you need special arrangements, e.g., for religious observance, military service, representative sports

Academic Integrity (University policy)

- “The University of Sydney is unequivocally opposed to, and intolerant of, plagiarism and academic dishonesty.”
 - Academic dishonesty means seeking to obtain or obtaining academic advantage for oneself or for others (including in the assessment or publication of work) by dishonest or unfair means.
 - Plagiarism means presenting another person’s work as one’s own work by presenting, copying or reproducing it without appropriate acknowledgement of the source.” [from site below]
 - <http://sydney.edu.au/elearning/student/EI/index.shtml>
- Submitted work is compared against other work (from students, internet, etc)
 - Turnitin for textual tasks (through eLearning), other systems for code
- Penalties for academic dishonesty or plagiarism can be severe
- Complete self-education AHEM1001

Capstone Unit Overview



Capstone Project - Administration

- Unit Coordinator: Dr. Ali Anaissi
 - Email: ali.anaissi@sydney.edu.au
 - UoS content perspective
- Admin Support: Mrs. Xiaofei Liu
 - Email: xiaofei.liu@sydney.edu.au
 - UoS admin perspective

Capstone Project

- Carry out defined piece of independent work
- Apply the knowledge of previous units of study
- Produce substantial/innovative work with the guidance
- document, report and present project work undertaken to engage an academic and/or professional audience

Types of Capstone Project

- Types of projects
 - Software Engineering Project
 - Data Science Project
 - Information System Project
- Group work (for 5703)
 - Simulate a real-world situation with different roles in a team
 - Mark consists of individual mark and group mark
- Individual work (for 5709)
 - Undertake a project with supervisor
 - Mark consists of individual mark only
- Part-time Individual work (for 5707/5708)
 - The same as 5709 but will be across two semesters

Capstone Project - Assessment

- Assessment components of the course

Assessment	Weight
Project Proposal	10%
Progress Reports	5%
Presentation / Seminar	10%
Final Report / Deliverables	75%

- All assessment components are mandatory -- Submitted via Canvas
- Templates for assessments can be found via Canvas as well

Assessment Plagiarism and Late Submission

- All assessments will be checked via similarity checking tools
 - For all assessments, similarity score cannot be over 35%
 - Students are not allowed to copy contents from their previous submitted documents/reports
- Late submission:
 - Deduction of 5% of **the maximum mark** for each calendar day after the due date, for example the total mark for assignment 1 is 50 points, you submit it two days late. The original mark can be awarded to you is 43, then the real mark you can get for this assignment 1 is: $43 - 5\% \times 2 \times 50 = 38$ points
 - After ten calendar days late, a mark of zero will be awarded

COMP/DATA5703 Group

Capstone Unit



Project Selection

- Project preference selection system has been open
 - If not done yet, please finish it asap (will close after today's lecture at 6pm)
 - If no preference provided, we will assign you a project
- Group sizes will be at least 5 but at most 6
- Allocation will start after we close the preference selection system
 - Final allocation result will be displayed to you on **canvas** early next week
- Start group work in the first tutorial next week (week 2)
 - *Your tutor will contact you via email to arrange you the initial tutorial on week 2*
 - *Please ignore tutorial allocation on timetable!*

Capstone Project - Expectations

- Work closely with your team, tutor and client
- Work required for the Capstone Project
 - At least 18h per week, own time over a period of 12 weeks
 - 1h meeting per week with tutor in tutorials
 - *Tutor will contact you and your group at the beginning of next week*
 - Hand in weekly reports about your work
 - *Part of your individual mark!*
- Be pro-active:
 - Manage your time well
 - Keep track of the tasks / use a diary
 - Communicate well and frequently with group members

Communication Tools

- **Slack** for communication between group members & tutors
 - Don't use email; use a chat forum called **Slack** for each project
 - Add tutors and/or client to your slack project
- For group projects
 - Slack communication is part of your mark
 - Use it!
- Tutorial for slack
 - <https://get.slack.help/>



Use of Slack



Team communication
platform, used only for
**PROFESSIONAL
communication**

01

02

Post as much as
possible to keep track
of the progress and
get on the same page



03

Your communication on
slack will also be
referenced during the
marking



Establish Slack Channels for Different Topics



Meeting minutes



Project / Research Discussions



Resources



Issue Tracking

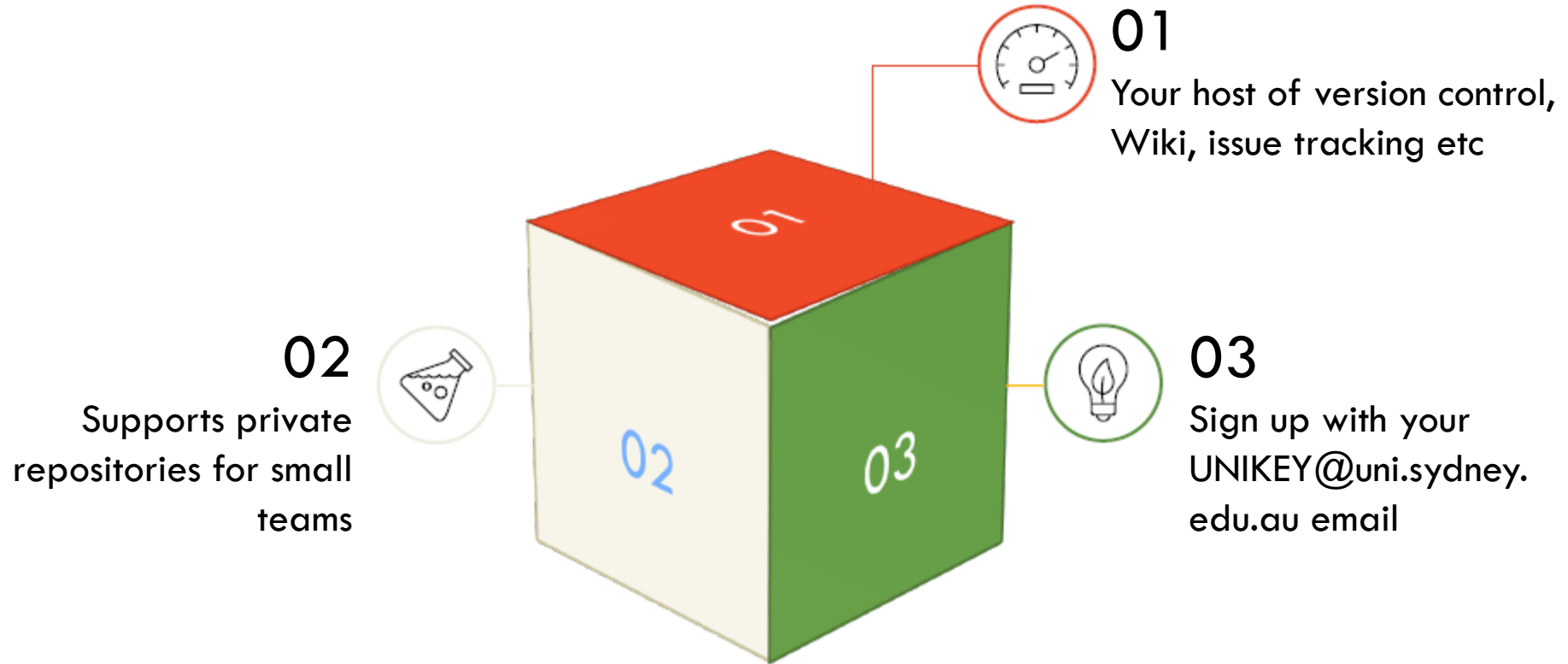


Any other ideas?



Any other ideas?

More on GIT



Add tutor/client in the group, as you sign up your team

Use of GIT



Assessment Components (COMP/DATA5703)

- Project Proposal, Progress Report and Final Report
 - Group document (submitted per group)
 - Technical document
 - Individual documents (submitted by individuals)
 - What was done by each group member
- Presentation is delivered as a **group**
- For each component
 - **Total Mark = group mark * individual mark**
- The individual mark is used as a scaling factor only!
 - 0% individual Mark => Total Mark is 0%!
 - 100% Individual Mark => Total Mark is Group Mark

Individual Mark Components (COMP5703/DATA5703)

- **Individual Proposal Report**
 - Weekly Report Week 3 (30%)
 - Weekly Report Week 4 (30%)
 - Weekly Report & Summary Week 5 (40%)
- **Individual Progress Report**
 - Weekly Report Week 6 (30%)
 - Weekly Report Week 7 (30%)
 - Weekly Report & Summary Week 8 (40%)
- **Individual Final Report**
 - Weekly Report Week 9 (15%)
 - Weekly Report Week 10 (15%)
 - Weekly Report Week 11 (15%)
 - Weekly Report Week 12 (15%)
 - Weekly Report & Summary Week 13 (40%)

Group Mark Components (COMP5703/DATA5703)

- **Group Proposal Report**
 - Report Week 5
- **Group Progress Report**
 - Report Week 9
- **Group Final Report**
 - Report Week 13
- **Group Presentation/Seminar**
 - Presentation Week 13

Mark Components (COMP5703/DATA5703)

- **Proposal Report (10%)**
 - $(\text{Individual mark}/100 * \text{group mark}/100) * 10\%$
- **Progress Report (5%)**
 - $(\text{Individual mark}/100 * \text{group mark}/100) * 5\%$
- **Final Report (75%)**
 - $(\text{Individual mark}/100 * \text{group mark}/100) * 75\%$
- **Presentation/Seminar (10%)**
 - $(\text{Group mark}/100) * 10\%$

Submission of Individual Report

- Hand in an **Individual Report** for each member. What you need to discuss in your individual report, for example:
 - For the first few weeks, Group members define their role in the group project
 - Leader, librarian (minutes/archivist), trouble-shooter
 - Outline personal time lines
 - Describe your individual contribution in technical details
 - Evidence of successful communication on group collaboration in detail
 - For some weeks, Peer reviews

Project Proposal (Group Work)

- Important document for organising time and resources to complete your project
- mandatory; uploaded to canvas
- Expect to be approx. 15 pages (depending on project)
- Is an informal “Contract” between tutor/client and your team
- Is marked based on the quality and structure
- Your tutor will assess this component
- Templates are provided in Canvas

Progress Report (Group Work)

- Reports on the progress of your project
- mandatory; uploaded to Canvas
- Expected to be approx. 15 pages
- Report on Progress: list achievements as outlined by project proposal
- Raise issues that have not been addressed in the project proposal
- Updated timeline to complete the project
- Your tutor will assess the progress report

Presentation (Group Work)

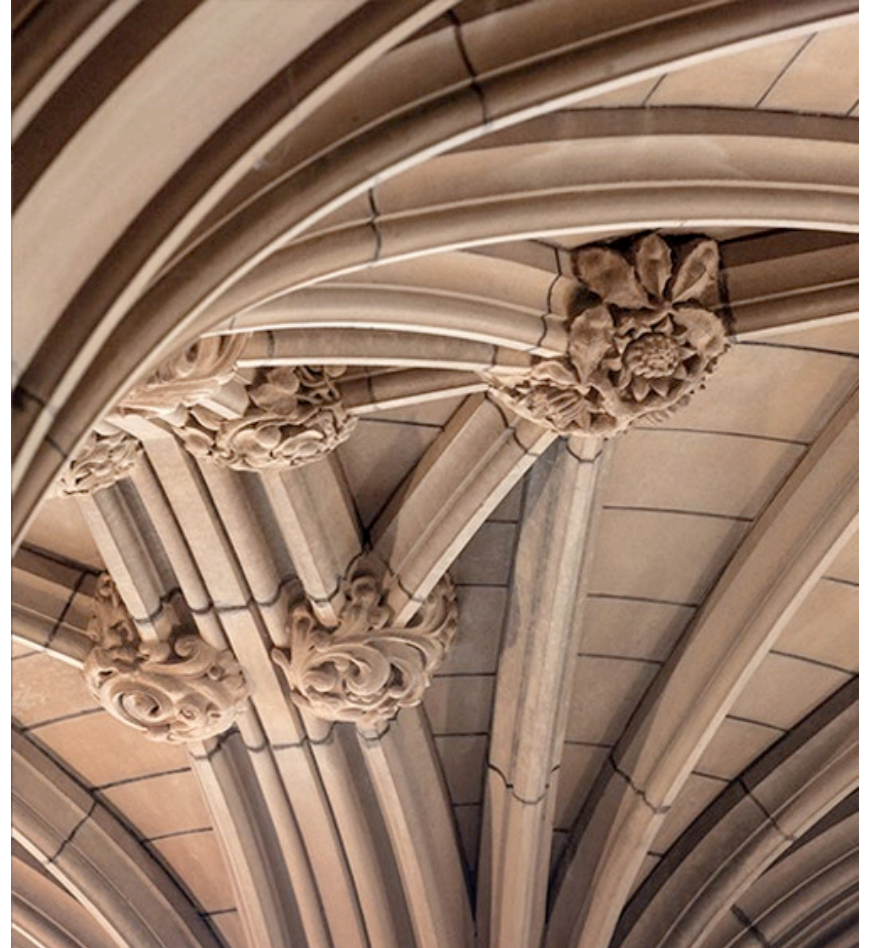
- Presentation involves a set of slides presenting the project
 - 15min presentation recording + 15min Q&A session
- mandatory
- Audience
 - Your tutor / client
 - Second academic to assist marking
- Your tutor and a second marker will assess your presentation
- Upload presentation video and slides to Canvas
- Time will be communicated shortly before

Final Report (Group Work)

- Summarise your findings
- Mandatory, expected to be approx. 50 pages (including tables, figures and references, but not appendices)
- Explain problem, related work / background, your methodology, findings
- Your tutor and a second assessor will mark the thesis
- Needs to be uploaded to Canvas
- Templates for reports can be found on Canvas

COMP/DATA5709

Individual Capstone Unit



Individual Mark Components (marked by supervisor)

- **Individual Proposal Report (10%)**
 - Report Week 5
 - expected to be approx. 15 pages
- **Individual Progress Report (5%)**
 - Report Week 9
 - expected to be approx. 15 pages
- **Individual Presentation (10%)**
 - Presentation Week 13
 - Arranged by supervisor
- **Individual Final Report (75%)**
 - Report Week 13
 - expected to be approx. 50 pages (including tables, figures and references, but not appendices)

COMP/DATA5707/5708

Individual Part-Time Capstone Unit



Individual Mark Components (COMP/DATA5707/8)

First Semester (5707)	Following Semester (5708)
Individual Proposal Report (10%) <ul style="list-style-type: none">• Report Week 5• expected to be approx. 15 pages Individual Progress Report <ul style="list-style-type: none">• Report Week 9 (1%)• Report Week 13 (1%)• expected to be approx. 5 pages each	Individual Progress Report <ul style="list-style-type: none">• Report Week 6 (3%)• expected to be approx. 5 pages Individual Final Report (75%) <ul style="list-style-type: none">• Report Week 13• expected to be approx. 50 pages Individual Presentation (10%) <ul style="list-style-type: none">• Presentation Week 13

Questions?

- If you have questions, please stay on this zoom session
- If you don't have any questions,
 - 5703 students: tutors will contact you at the beginning of next week to arrange you the tutorial time
 - 5707/5709 students: you need to contact your supervisor to start your project as soon as possible
- Useful webpage for project selection (if you haven't done):
 - <https://canvas.sydney.edu.au/courses/15961/pages/cs-capstone-unit-12-crp-project-list-semester-2-2021>

Q&A session