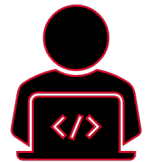


Project Research

INTR8016 – Project research phase (5 credits)



Brian Murphy – BrianM.Murphy@mtu.ie

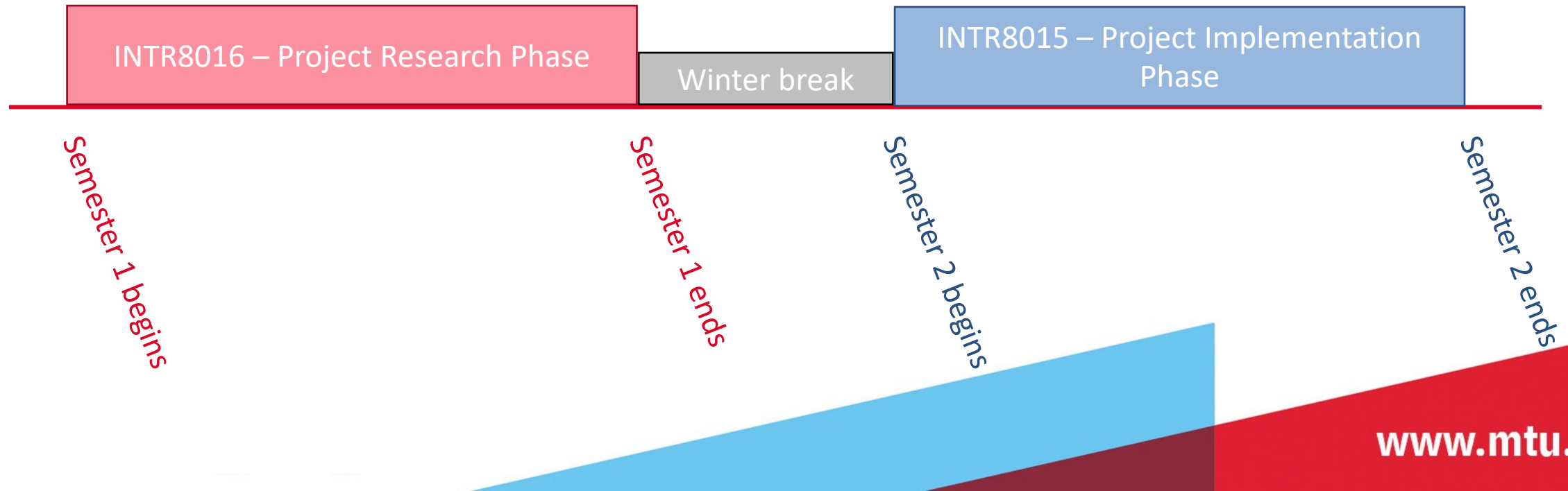
Alison O'Shea – Alison.OShea@mtu.ie

Noreen Gubbins – Noreen.Gubbins@mtu.ie

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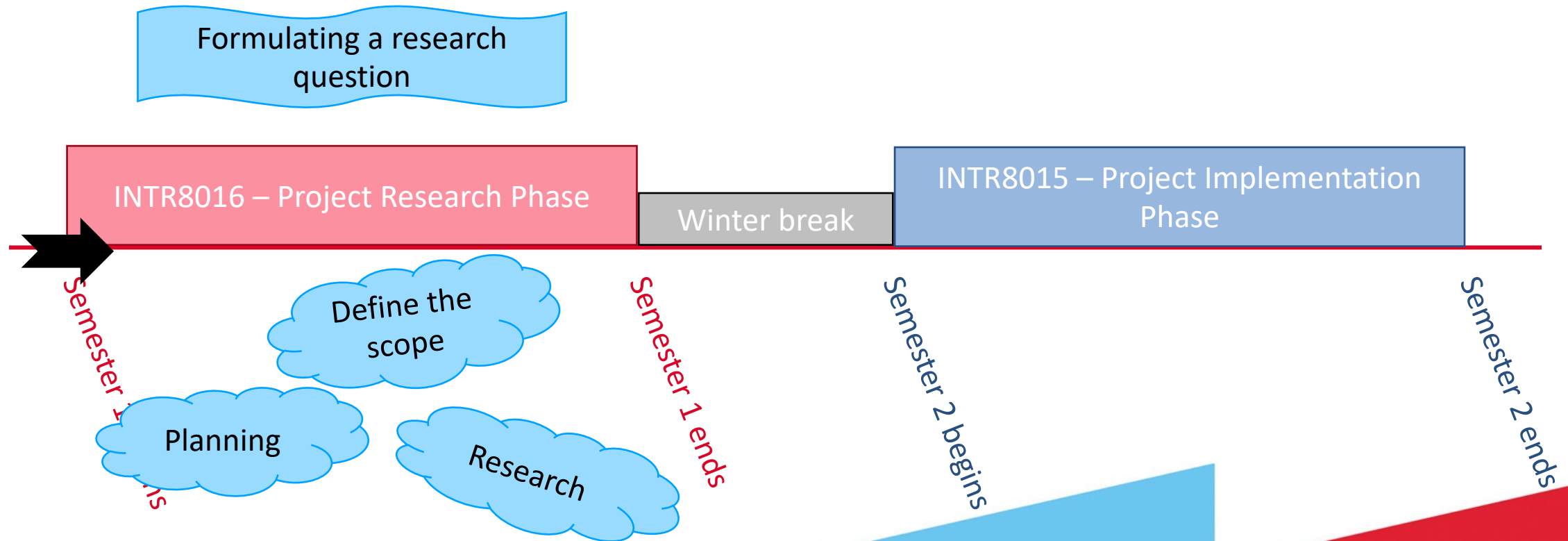
Project timeline

A high level view of your project progression



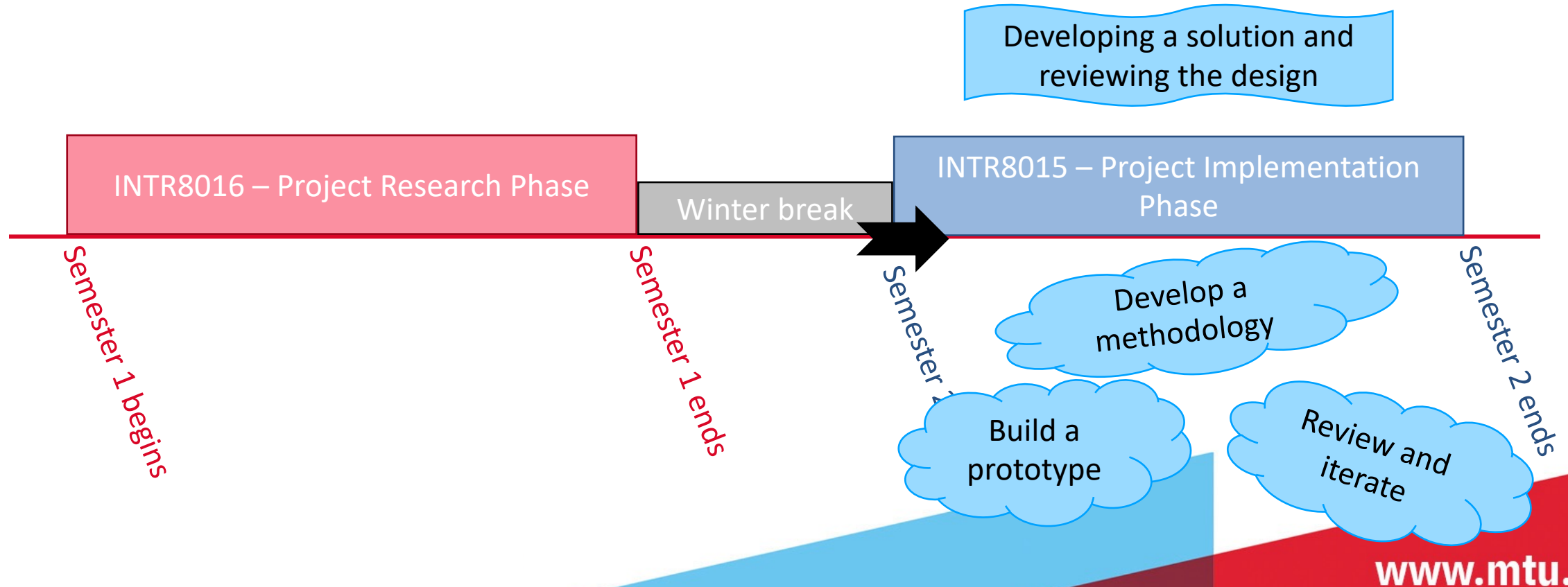
Project timeline

A high level view of your project progression



Project timeline

A high level view of your project progression



Project outputs

Presentation

20% of grade



Written report

80% of grade



⋮	▼ Important dates 31	✓	+	⋮
⋮	📄 Information sessions	✓		⋮
⋮	📄 Submission deadlines	⊘		⋮

Initial supervisor meeting - Friday 23rd September

- At this point you should have arranged to speak with your supervisor and agreed on a set time to meet each week to discuss your project progress

Draft report submission - Friday 5th November

- Submit your first draft of your project report to your supervisor.
- This deadline is during reading week, so you will have a lot of time to ensure that your submission is of a high standard.
- By submitting a good project draft to your supervisor, you can get good quality feedback that will benefit your final report.

Final report submission - Friday 19th December

- Submit your final report on Canvas.

Learning outcomes and expectations

- **LO1** Undertake a comprehensive review of relevant and appropriate literature to determine current knowledge in the project area
- **LO2** Utilising professional skills developed throughout the curriculum, outline a number of viable methodologies to address the identified project area
- **LO3** Select the most likely methodology by exercising professional judgement in evaluating potential courses of actions against appropriate design, safety, commercial and ethical criteria
- **LO4** Develop a project plan to implement the proposed methodology
- **LO5** Demonstrate the appropriate written and oral communication skills required of the professional practitioner



Learning outcomes and expectations

- Self-motivated research which is supported by your supervisor
- Develop your project planning and execution skills together with your domain knowledge
- Communication will play a critical role –project assessment and when meeting with your supervisor
- Implementation plan – the work done this semester will lay the foundations for next semester

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Project scope

Ask yourself these questions...

- What can be achieved within the timeline?
- What topics will broaden your domain knowledge?
- Will you have access to the required resources?

Define your project priorities and understand the constraints.

Research resources



Google Scholar

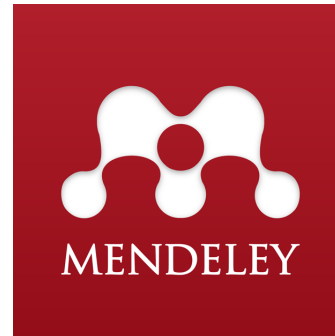
☒ Articles ☐ Case law

Literature resources

- <https://scholar.google.com>
- <https://ieeexplore.ieee.org>

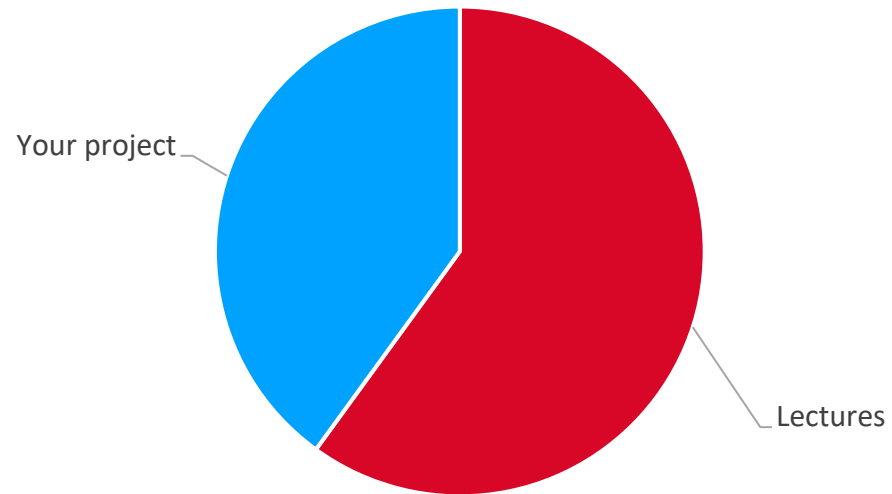
Reference managers

- <https://mendeley.com>
- <https://endnote.com/>

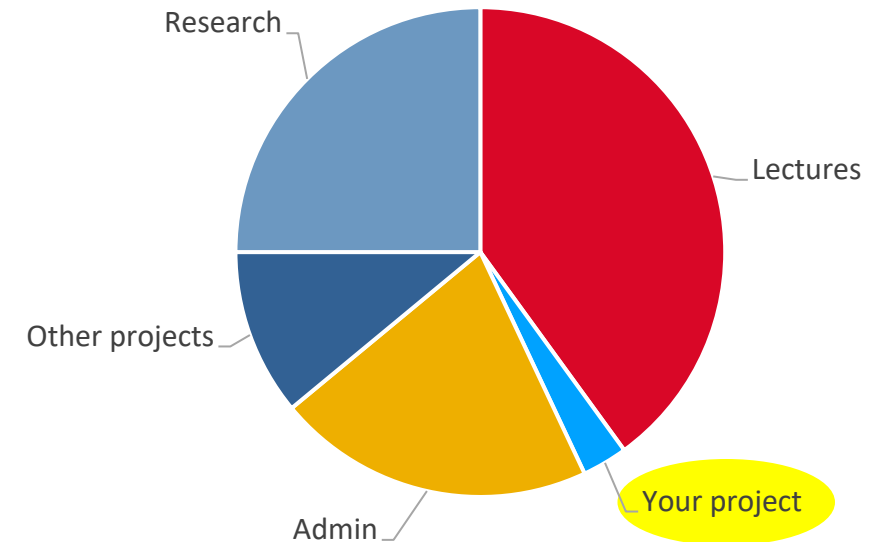


Your supervisor

What you think about



What your supervisor thinks about



Your supervisor

- You need to drive the research and pique their interest
- They will always be busy, so use your time wisely
 - Regular weekly meetings
 - Have an agenda
 - Short recap at the start
 - Email after the meeting
 - What did you agree on?
 - What are the designated tasks?
 - Write a weekly log

Agenda

1. What we discussed last time
2. Questions/issues
3. What will you do before next week's meeting?
4. Long term goals

Future you will be super
thankful

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Writing resources

Ensure that you are referencing all of your sources and stick to a specific style

- APA referencing style – [style guide here](#)
- IEEE referencing style – [style guide here](#)

Use simple, clear, professional language – [useful guide](#), [useful guide](#)

- “The image, which is shown above, comprises of data from 60 unique individual tests which were performed. ”
- “The above image shows the results of 60 independent tests. ”

Explain jargon when you first introduce it

- The Central Processing Unit (CPU) requires a lot of power.

<http://www.cs.toronto.edu/~miller/Research/writing.html>

Project outline

Chapter by chapter outline – approx. 40-45 pages total

- Chapter 1: Introduction (About 3 pages)
- Chapter 2: Background (About 20 pages)
- Chapter 3: Problem - What do we want to do? (About 6 pages)
- Chapter 4: Solution Approach - How are we going to do what we want to do? (About 15 pages).
- Chapter 5: This chapter should comprise 2-3 pages and enumerate conclusions of this phase of work.

LaTeX

L^AT_EX



MTU

Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

LaTeX "How to" Series		
Introduction to the series	✓	
Add your thesis to Overleaf	✓	
Share your thesis on Overleaf	✓	
Change template information	✓	
Change template for semester 2	✓	
Cite papers	✓	
Add citations to the bib	✓	
Add and edit a figure	✓	
Add a table	✓	
Add sections/ subsections	✓	
Add an equation	✓	
Make number lists and bullet lists	✓	
Make the text bold, italics and underlined	✓	
Cross reference	✓	

The screenshot displays the Overleaf LaTeX editor interface. On the left, a file tree shows the project structure, including 'Thesis.tex'. The main editor area shows the LaTeX source code for a thesis template, with line numbers and comments. The right sidebar shows a preview of the thesis title page, which includes the MTU logo, the title 'New Thesis Title', the author 'Brian Name', and the date 'August 2021'. A video call window in the top right corner shows a person wearing a headset.

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Plagiarism

Plagiarism is the representation of another author's language, thoughts, ideas, or expressions as one's own original work.

Source: <https://en.wikipedia.org/wiki/Plagiarism>

Forms of plagiarism

- **Word-for-word plagiarism** (verbatim plagiarism) – direct copying of phrases or passages from a published text without quotation or acknowledgement
- **Paraphrasing plagiarism** (mosaic plagiarism) – when you copy bits and pieces from a source or several sources, changing words here and there without accurately paraphrasing or using quotations appropriately
- **Uncited Quotation** – when you fail to credit the author or the material and provide a trail for the author to follow back in your document
- **Plagiarism from secondary sources** – when original sources are referenced or quoted, but obtained from a secondary source text without looking up the original

MTU policy

To protect the values of academic integrity, many universities and colleges have developed policies to deal with standards of integrity and attempt to define plagiarism and specify its penalties.

MTU treats plagiarism extremely seriously.

The full policy can be found [here](#)

11.1 Possible Penalties for Plagiarism and Infringements

If the Institute determines that an infringement or instance of plagiarism has occurred a range of penalties may be applied. The possible penalties in order of severity are:

1. mark of zero recorded for the assessment item (or part of assessment item) affected
2. failure of module
3. failure of the module, without right to be reassessed within the current academic year
4. failure of the module, without right to be reassessed within the current academic year and without the right to progress to the next stage of the programme until the module in question is completed
5. failure of the stage (i.e. student is required to repeat the stage in full)
6. restriction of final award classification
7. temporary or permanent suspension of studies

Tips for avoiding plagiarism

Report writing shouldn't be scary, if you follow this advice

- Reference your sources. Credit the original author in a citation.
- Keep track of the websites/papers/books/repositories that you consult throughout the project.
- Paraphrase, don't copy directly. If you are copying directly indicate clearly that it is a direct quote.
- Use a plagiarism checker before you submit your work.

▼ Important dates

31

✓

+

⋮

Information sessions

✓

⋮

Submission deadlines

⊘

⋮

Timetable for information sessions

Week	Time and date	Session title
1	Friday 16/9 4pm	Final Year Project Introduction
2	Friday 23/9 10am	Library Information Session
3	Friday 30/9 4pm	Critical Literature Analysis Workshop
4		
5		
6	Friday 21/10 4pm	Technical Writing Skills Workshop
7	Friday 28/10 4pm	Informal Q&A session
Reading Week		
8		
9		
10		
11	Friday 2/12 4pm	Informal Q&A session
12		

Best of luck!

Enjoy your project work. For more information, please contact Brian, Alison, or Noreen