2. Course information

Units of credit: 18, 6 per term

ENTRY POINT: Term 1

Pre-requisite(s): MATS3001, MATS3002 & MATS3004

Timetabling website: http://timetable.unsw.edu.au/2020/MATS4100.html

2.3 Course learning outcomes (CLO)

At the successful completion of this course you (the student) should be able to:

1. Understand and nJof thiyBT/F3 9.96 Tf1 0 0 1 370.99 718.18 Tm0 g0 G[ )]TJETQq0121.34 d eepf t(y)-34at yhic

4.2 Research Project/Thesis Component

Students are required to complete a Project Management Plan, Safety Training and a Literature Survey in Term 1. Students are also encouraged to have completed essential laboratory inductions, WHS and Risk Assessments related to their project within Term 1. There is no formal attendance for laboratory and thesis work and all work is self-directed. Students are encouraged to start laboratory work as soon as possible (T1). Students are expected to commit to at least 120 hours of non-class contact hours to complete the research project and associated assessment tasks. Whilst students are not permitted to start laboratory work before Term 1, students are permitted to work on their research projects during Term breaks. Students are encouraged to consult regularly with their supervisors in order to ensure satisfactory progression. Students are required to submit a Thesis Progress Report signed by student and supervisor outlining progress, delays against the project plan and anticipated tasks remaining in Week 2 of Term 3. All experimental work, analysis and thesis write-up is to be completed and submitted by Week 10 of Term 3.

	Term 1	
Week	**Topics/Tasks**	**Activity**
1-10	Professional Communication & Presentation Course (Weeks 1-10) Student Safety Training Course (Week 1) Project Management Plan (Due Week 4) Complete Literature Survey (Due Week 10) Complete Project-Specific Laboratory Inductions & Training Complete Project-Specific WHS Documentation/Risk Assessments Begin Experimental Research	Week 1 Safety Training Week 4 Project Management Plan Due Week 10 Literature Survey Due
Break	**Presentation 1**	
	Term 2	
Week	**Topics/Tasks**	**Activity**
1-10	Complete any remaining Laboratory Inductions & Training Complete any remaining WHS Documentation/Risk Assessments ExpeLaboratory I& Training	

	conclusions. The seminar presentation is graded by the student's supervisor, the course coordinator, and one independent academic from the School.		
Honours Thesis Dissertation:	The Honours thesis dissertation is the major piece of written work submitted at the end of the 18UOC research project. An Honours thesis dissertation in Materials Science and Engineering is typically 80 pages which is marked by the supervisor and two nominated independent academic assessors using a standardised rubric for all theses.	75%	Week 10, T3

To complete the laboratory component of the thesis the following must be complete prior to entering labs:

1. Laboratory Safety Training Course

Due: Week 3, Term 1 – time to be advised

Location: TBA, MSE

Details: Students undertaking any experimental work are required first to attend the Laboratory Safety Training Course. Students who do not attend this course will be forbidden to start experimental work until appropriate safety training is completed – this may result in significant delay in commencing experimental work.

2. Risk Assessment of Experimental Work

Due: No set date but must be completed and approved PRIOR TO ANY experimental work is commenced.

Submission: Through the UNSW SafeSys portal to your supervisor or as per instructions of the Laboratory Managers requirements.

Details: A detailed risk assessment of all experimental work is required BEFORE ANY EXPERIMENTAL WORK IS DONE. Students are strongly urged to consult with their supervisor when completing the Risk Assessment. A new Risk Assessment is required for any later experimental work not covered in the original Risk Assessment. The Risk Assessment form is available in electronic form from the school website.

FAILURE TO COMPLETE A RISK ASSESSMENT PRIOR TO UNDERTAKING EXPERIMENTAL WORK WILL RESULT IN SUSPENSION FROM THE FFECT SUCCESSFUL COMPLETION OF THE COURSE.

In addition to your supervisor, the School's Safety Officer (Mr Anthony Zhang), and the Laboratory Safety Training Course, information on relevant UNSW Occupational Health and Safety policies and expectations can be obtained from:

www.riskman.unsw.edu.au/ohs/ohs.shtml

Further information

UNSW grading system:

UNSW assessment policy: https://student.unsw.edu.au/assessment

5.2 Assessment criteria and standards

Seminar Presentation 1 & 2

Each seminar is graded by the student's supervisor, the course coordinator, and one independent academic from the School using a standardised rubric to assess the following elements:

¶ Technical Content: technical standard, amount and adequacy of material, depth of coverage, interest of the material presented, ability to answer questions.

¶ Quality of Presentation: Structure – organisation of material, balance of the material presented, logic and orderliness of material, focus on important points, clarity of presentation. Verbal Delivery – pace, pronunciation and enunciation, voice modulation, avoidance of extraneous vocal mannerisms. Physical Delivery – control of nervousness, eye contact with audience, effective use of body movement, avoidance of extraneous physical mannerisms.

¶ Visual Impression: Visual Aids – pace of presentation, interest and effectiveness of visual aids, pertinence of visual aids to the presentation, legibility and quality of visual aids. Appearance – posture and deportment of speaker

¶ Overall Impression

MATS4100

Presentation Skills for Materials Technology

SUPERVISOR'S ASSESSMENT FORM

Name of Speaker ______________________________

Subject of Thesis ______________________________

Date ______________________________

Name of Assessor ______________________________

TECHNICAL CONTENT (20% of Total)

Choose ONE Option	Excellent	Good	Fair	Poor	No Opinion
In terms of the suitability for conference presentation:					
1. The quality of the information presented was:	☐	☐	☐	☐	☐
2. The depth to which the material was covered was:					

Project Management Plan

This section carries 5% weight of the final mark.

Due: 5:00 pm, Friday, Week 4, Term 1

Submission: Upload to MATS4100 Moodle course site.

Coversheet: Coversheet (downloadable from the Moodle course site) must accompany the submitted plan, which must be signed by the academic supervisor to the effect that the plan is reasonable in terms of academic scope as well as the available time and resources.

Late Penalty: Work submitted after the deadline will attract a penalty63(ad)4(e)-9(mi)7(c)-5( )]TJETQq0.000008866 0

Literature Survey Formative Assessment Sheet

Name of Student:

Subject of Thesis:

Course:

	Poor	Needs Work	Fair	Good	Excellent
PROJECT OUTLINE					
1. The establishment of the project aims was:					
2. The establishment of the project field and scope was:					
FORMATTING, STRUCTURE & REFERENCING					
3. The extent of referencing in reproduced Figures, Tables was:					
4. The quality of Images, Figures, Tables and Captions was:					
5. The use of appropriate referencing to text and statements was:					
6. My overall impression of the formatted document was:					

TECHNICAL CONTENT

7.

Thesis Progress Report   MATS4100 (18 UoC)

Student: ____

Thesis Title: ____

(1) Achievements to Date (Bulleted short descriptions preferred)

(2) Delays to Project Plan: Outline Reasons

(3) Tasks remaining as per plan

(4) Changes to plan: Outline Justification

Student Name__________________________ Student Signature______________________ Agree/Disagree

Supervisor Name________________________ Supervisor Signature____________________ Agree/Disagree

The Thesis Progress Report above is a mandatory part of the Honours thesis. Please ensure that all sections are duly filed and both signatures at the bottom of the page are acquired. This form is to be uploaded to the MATS4100 Moodle site 5pm Friday, Week 2 /Term 3.

Honours Thesis Dissertation

This section carries

agreements should be identified; gaps in knowledge or understanding should be pointed out. Do not pad the Literature Survey with material that is irrelevant or of peripheral interest to the thesis topic.

The Literature Survey is written for professionals. It must not be too basic. Instead it should be written on the premise that the reader should be familiar with the broad technical area of the thesis discipline but that he or she may be unfamiliar with the specific thesis topic and relevant terminology.

The number of references used in the Literature Survey depends on the thesis topic. Certain thesis topics may not have been extensively studied in the past and, as a consequence, the Literature Survey will be relatively brief (yet still comprehensive).

7. Summary and Conclusions

This Chapter should be no more than four pages in length. It should summarise both the results and their ramifications. This section represents a brief overview of the findings and their significance.

8. References

This section lists full citations of literature references used in the thesis.

Note: Students are strongly advised to submit any drafts of work for assessment to their supervisor at least one week before this deadline in order to give the supervisor time to read, correct, and return the work.

Honours Thesis Dissertation Marking Criteria

This section carries 75% weight of the final mark.

Student: ______________________________

Thesis Title: ____

Examiner: ___________________ Signature: ____________________

			Adj. Mark	
Abstract, Thesis Format and Presentation				
1.	Quality of Abstract	/20		
2.	English expression and spelling	/10		
3.	Thesis formatting & general impression	/10		
	Mark:	/40	________	/10
Introduction and Literature Survey Chapters				
1.	Level of presentation, extent and relevance	/10		
2.	Critical assessment of the literature	/10		
3.	Referencing	/10		
4.	Establishment of project aims			

5.3