

1. Staff

Position	Name	Email
----------	------	-------

2.3 Course learning outcomes (CLO)

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

1. Demonstrate high-level critical thinking, analytical and problem-solving skills in approaching materials science and engineering practice
2. Identify the principles underlying liquid-to-solid and solid-state phase transformations in a range of materials
3. Apply the principles of phase transformations to control microstructure and properties in engineering alloys

2.4 Relationship between course and program learning outcomes and assessments

Course Learning Outcome (CLO)	LO Statement	Program Learning Outcome (PLO)	Related Tasks & Assessment
CLO 1	Demonstrate...	1.3, 1.4, 3.2, 3.3 & 3.4	1, 2, 3 & 4
CLO 2	Display...	1.3, 1.4, 3.2, 3.3 & 3.4	1, 2, 3 & 4
CLO 3	Show...	1.3, 1.4, 3.2, 3.3 & 3.4	1, 2, 3 & 4

3. Strategies and approaches to learning

3.1 Learning and teaching activities

(Based on UNSW Learning Guidelines)

- x Students are actively engaged in the learning process.
It is expected that, in addition to attending classes, students will read, write, discuss, and engage in analysing the course content.
- x Effective learning is supported by a climate of inquiry where students feel appropriately challenged.
Students are expected to be challenged by the course content and to challenge their own preconceptions, knowledge, and understanding by questioning information, concepts, and approaches during class and study.
- x Learning is more effective when students' prior experience and knowledge are recognised and built upon.

3.2 Expectations of students

- x Students must attend at least 80% of all online classes with the expectation that students only miss classes due to illness or unforeseen circumstances
- x Students must read through lecture notes and lab sheets prior to class
- x During class, students are expected to engage actively in class discussions
- x Students should work through lecture, tutorial and textbook questions
- x Students should read through the relevant chapters of the prescribed textbook.
- x Students should complete all assessment tasks and submit them on time.
- x Students are expected to participate in online discussions through the Moodle page

4. Course schedule and structure

This course consists of 52 hours of class contact hours. You are expected to take an additional 98 hours of non-class contact hours to complete assessments, readings and exam preparation spread over the term.

Week	Topics	
------	--------	--

1

5. Assessment

5.1 Assessment tasks

Assessment task	Description	Weight	Due date
Assignment:	Assignments will include ONE problem sheet for weeks 1-5 (Part 1) of the course in order to achieve learning outcomes and develop the various graduate attributes.	25%	Part 1: Week 3 Part 2: Week 7
Mid-term exam:	T.02.02		

MARKING SHEET for MATS3005 Part 2 Research Pap

6. Academic integrity, referencing and plagiarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism. If you compare a calculated result in an assignment with an experimental value taken from the literature, please reference the source: Authors, publication & date.

Further information about referencing styles can be located at <https://student.unsw.edu.au/referencing>

Academic integrity is fundamental to success at university. A

n.6 (&)443 (ef)3.5t0.003 Tw0-2.2

9. Additional support for students

x The Current Students Gateway: <https://student.unsw.edu.au/>

x I5211 ()JEMC /Link A/CID 4 BDC 0 0 10 rg0.001 Tc -0.001tude96.2 0:8 73ude96.aude96.d(ude96.e(u