



# Course Outline

MATS6101

Thermodynamics and Phase Equilibria

Materials Science and Engineering

Science

T2, 2022

# 1. Staff

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Position

To understand the graphical representation of phase equilibria in real materials systems and to understand the thermodynamic stabilities of phases.

## 2.3 Course learning outcomes (CLO)

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

1. Understand and apply the laws of thermodynamics
2. Have



6		Assignment 1 (Joshi's Part)
7	Gibbs phase	

## 5.2 Assessment criteria and standards

Assessment criteria and standards for each assessment tasks are available on the course Moodle page.

Assignment 2 and the final exam: Questions will be graded on a rating scale of (1)-(5), where the highest rating (1) denotes: (i) a correct mathematical solution to the problem together with a logical 2-5 line written explanation of the meaning of the result, or (ii) a thorough written explanation of the question if it is an essay-type one (full marks), through to (5), which indicates that no attempt was made to answer the question (no marks). This rating is converted to the value of the mark for each question.

## 5.3 Submission of assessment tasks

UNSW operates under a Fit to Sit/ Submit rule for all assessments. If a student wishes to submit an application for special consideration for an exam or assessment, the application must be submitted to the relevant school/department.

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage.<sup>1</sup> At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.

Further information about academic integrity and plagiarism can be located at:

- The site <https://student.unsw.edu.au/plagiarism> and
- The training site <http://subjectguides.library.unsw.edu.au/elise/presenting>

The provides further resources to

