



# School of Physics



## **2.4 Relationship between course and program learning outcomes and assessments**

Course learning outcomes 1-3 are assessed by the midsession test, assignment and final exam. These assessments are largely of a problem-solving nature designed to determine students' ability to

## 4. Course schedule and structure

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### Detailed Syllabus

Part	Topic	Time
1. Basics	<ul style="list-style-type: none"><li>• Review of microcanonical, canonical, grand canonical distributions</li><li>• Ideal Bose and Fermi gases</li><li>•</li></ul>	2 hours
2. Mean field theory, phase transitions and critical phenomena		

## 5. Assessment

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### 5.1 Assessment tasks

Assessment task	Length	Weight	Mark	Due date
Assignment 1:		20%		Friday 11 March (Week 4)
Assignment 2:		20%		Friday 22 April (Week 10)
Final Exam:	2 hours	60%		See Exam Schedule (TBA)

### Journal Club

Each student will be assigned a paper (the papers will represent key advances in physics that will be of interest to any serious physicist.). Students will make a 20 minute presentation that covers the background, the advance and its implications. Every member of the class will be expected to at least read the paper. The presenter will then lead a discussion (~20 minutes) of the work. This component is compulsory but does not count towards the final grade.

### Further information

UNSW grading system: [student.unsw.edu.au/grades](http://student.unsw.edu.au/grades)

UNSW assessment policy: [student.unsw.edu.au/assessment](http://student.unsw.edu.au/assessment)

Information about Special Consideration is available from <https://student.unsw.edu.au/special-consideration>

### 5.2 Assessment criteria and standards

Please see Moodle for a marking rubric for each assessment task

### 5.3 Submission of assessment tasks

Unless otherwise specified, assignments should be submitted to your lecturer or posted in the School of Physics assignment box by 5pm on the due date. Assignments will not be accepted by email. Marks will be deducted for late assignments, at a rate of 10% of the maximum possible mark for the assignment per day. A weekend will count as two days. An assignment submitted

## **5.4. Feedback on assessment**

## 8. Administrative matters

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Communications