

Table of examination schedule

<u>Examination name and weight in letter grade</u>	<u>Day and Date</u>	<u>Time and Classroom</u>	<u>Syllabus</u>
First, 20%	Monday, 17 th February	04:00 – 5:20 p.m.	Chapters 1 – section 4.5
Second, 20%	Wednesday, 26 th March	04:00 – 05:20 p.m.	Sections 4.6 – 7.2
Final, 20%	Wednesday, 30 th April	5:00 p.m. to 7:00 p.m.	Entire course syllabus through Chapter 9

Table of course agenda

Note: The course agenda is approximate and subject to change at the instructor's discretion.

<u>Week number:</u>	<u>Topics</u>	<u>Reading</u>
1	The Statistical basis of thermodynamics	Chapter 1
2	Elements of Ensemble Theory	Chapters 2 and 3
3	The canonical ensemble	Chapter 3
4	The grand canonical ensemble	Chapters 3 and 4
5	The grand canonical ensemble	Chapter 4
6	Formulation of quantum statistics	Chapter 5
7	The Theory of Simple Gases	Chapters 5 and 6
8	The Theory of Simple Gases	Chapter 6

9	Ideal Bose Gases	Chapter 7
10	Ideal Bose Gases	Chapter 7
11	Ideal Fermi Gases	Chapter 8
12	Ideal Fermi Gases	Chapter 8
13	Thermodynamics of the early universe	Chapter 9
14	Thermodynamics of the early	Chapter 9