

UNSW

SCHOOL OF CHEMISTRY

CHEM1011 Chemistry A

CHEM1031 Higher Chemistry A

CHEM1051 Higher Chemistry Medicinal A



COURSE PACK

SEMESTER ONE, 2018

This course pack contains:

1. General course information, schedule and syllabus (white pages)
2. Tutorial notes (yellow pages)
3. Evacuation and Safety notes (green pages)
4. Laboratory manual (white pages)

LABORATORY AND ASSESSMENT SCHEDULE

CHEM1011/CHEM1031/CHEM1051 – SEMESTER ONE, 2018

Please read the schedule carefully: in weeks 1 – 4 and 6 – 13 CHEM1011, CHEM1031, and CHEM1051 have the same laboratory exercises. In week 5 CHEM1011 has a different lab schedule to CHEM1031/51.

Week (Mon–Fri dates)	Online (Moodle)	Laboratory Activity	Other events
1 26 Feb. – 2 March	Revision Quiz 1; Do Safety and Ethics exercise (see lab manual; must be completed to be allowed into lab in week 2); Get pre-lab information for Prep. of a Standard Solution experiment.	No Lab class. Buy lab coat & safety glasses.	Sun. 4 March. – last day to enrol in semester 1 courses
2 5 – 9 March	Revision Quiz 2; Pre-lab for Vol. Analysis – Standardisation of a Base	Finding Your Way around the Lab & Preparation of a Standard Solution (All checked in the lab)	
3 12 – 16 Mar.	Revision Quiz 3; Pre-lab for Vol. Analysis – Back Titration	Volumetric Analysis – Standardisation of a Base (checked in lab)	
4 19 – 23 March	CHEM1011: Revision Quiz 4	Vol. Analysis – Back Titration (SUBMIT REPORT)	
	CHEM1031/51: Revision Quiz 4; Pre-lab for Corrosion		
5 26 – 30 March	Revision Quiz 5; Pre-lab for Intermolecular Forces	CHEM1011: No lab classes this week.	Fri. 30 Mar. – public holiday. Sat. 31 Mar. – last day to drop without financial penalty
		CHEM1031/51: Corrosion (checked in lab)	
BREAK 2 – 6 April	(no classes)	(no classes)	
6 9 – 13 April	Revision Quiz 6	Intermolecular Forces (SUBMIT REPORT)	
7 16 – 20 April	Revision Quiz 7; Pre-lab for Chemical Equilibrium	Make-up lab 1	
8 23 – 27 April	Revision Quiz 8; Pre-lab for Acid–Base Titration	Chemical Equilibrium (SUBMIT REPORT)	Wed. 25 April – public holiday
9 30 Apr. – 4 May	Revision Quiz 9; Pre-lab for Buffers	Acid–Base Titration (checked in the lab)	
10 7 – 11 May	Revision Quiz 10; Pre-lab for Thermochemistry	Buffers (checked in the lab)	
11 14 – 18 May	Revision Quiz 11; Pre-lab for Galvanic Cells	Thermochemistry (SUBMIT REPORT)	
12 21 – 25 May	Revision Quiz 12	Galvanic Cells (SUBMIT REPORT)	
13 28 May – 1 Jun.	Revision Quiz 13	Make-up lab 2	

'SUBMIT REPORT' means your lab results will be initialed by the demonstrator at the end of the lab, then you complete the report (write chemical equations, do calculations, *etc.*) and submit the report (including the coversheet, **signed** by you, with all pages **stapled** together) to your demonstrator's pigeonhole, by the due time.

Classes in make-up lab weeks are reserved for students who have been absent from other lab classes or have not earned core skills and so need to repeat an experiment. Most students will **not** have a lab class in the make-up lab weeks.