



THE UNIVERSITY
of ADELAIDE
COLLEGE

Chemistry

Foundation Studies Program

Aims

Chemistry is the study of matter and energy, involving a consideration of the composition of substances, their preparation and their effects on one another. This course familiarises students with a wide range of chemicals and processes, with particular emphasis being given to those involved in everyday living, in biological systems and in the activities of industry.

Learning outcomes

After successfully completing this subject students should be able to:

- Demonstrate a knowledge and understanding of chemical concepts using appropriate scientific terminology.
- Communicate concepts using correct chemical terms and conventions.
- Develop laboratory skills including following a procedure, recording and interpreting observations and correctly using apparatus particularly glassware.
- Complete written experimental reports.

Prerequisites and assumed knowledge

There are no prerequisites or assumed knowledge for this subject.

Subject content

WEEK	TOPIC AND ASSESSMENT SCHEDULE
1	Orientation week
2 - 4	Atomic Structure & Periodic Table
5 - 10	Bonding
11 - 17	Stoichiometry & Redox
18 - 19	Revision and Exams
20 - 26	Organic Chemistry
27 - 31	Energy & Rates of Reaction
32 - 37	Equilibrium & Acids and Bases
38 - 39	Revision and exams
40	Graduation

Assessment

General weightings for each assessment item are outlined below.

ASSESSMENT ITEM	WEIGHTING
Tests (5)	25%
Assignments (3)	9%
Practical Reports (4)	15%
Mid-year theory examination	10%
Practical oral presentation	3%
Final examination 30%	30%
Participation	8%

Further enquiries

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