

CHEM102 INTRO

Chemistry 9701

Textbook: "Chemistry Coursebook" by Roger Norris (Blue Cover)

Syllabus Structure:

AS { P1 - MCQs → 40 questions, 1 hour
P2 - Structured Theory → 4 or 5 questions, 1hr 15min
P3 - Lab → 2 or 3 questions, 2 hours

A2 { P4 - Structured/Theory, 8 questions, 2 hours
P5 - Kind of like ATP, Planning/Analysis, 2 questions, 1hr 15min

* For an A* in chemistry, a minimum grade of A is required in P1, P2, & P3.

Broad Areas in Chemistry

Physical

- Atomic Structure + Moles
- Chemical Bonding
- Energetics
- Equilibrium
- States of matter
- Rates / Kinetics

Inorganic

- Period 3 trends
- Group 2 / Group 17
- Transition Metals
- Nitrogen / Sulphur

Organic

- Intro (naming, etc.)
- Hydrocarbons
- Alkyl halides
- Alcohols
- Aldehydes / Ketones
- Carboxylic Acids

Analytical

- Infra-Red Spectroscopy
- Mass spectroscopy