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UNIVERSITY of York

# Core 2: Chemical Properties & Analysis - CHE00016C

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- **Department:** Chemistry
- **Module co-ordinator:** Dr. Meghan Halse
- **Credit value:** 30 credits
- **Credit level:** C
- **Academic year of delivery:** 2020-21
  - See module specification for other years: [2018-19](#) [2019-20](#)

## Module will run

### Occurrence

A

### Teaching cycle

Spring Term 2020-21 to Summer Term 2020-21

## Module aims

This module aims to establish foundations of basic chemistry concepts, e.g., chemical analysis and properties of compounds. This module continues to provide all students with a firm foundation in these fundamental topics, which will underpin much of their future work at degree level. The module is delivered through a blend of lectures, tutorials and workshops.

## Module learning outcomes

At the end of this module students will have

- developed an understanding of core organic, physical and inorganic chemistry.
- developed written and verbal communication skills in small group tutorials and workshops.
- applied the principles taught in the module to solve unseen problems in small group tutorials and workshops.

## Module content

### Module content:

- Kinetics (MJE/MSS, 10 lectures, college tutorial)
- Haloalkanes, Alkenes and Alkynes (ASM, 9 lectures, college tutorial)
- Molecular Orbital Theory (CED, 5 lectures, college tutorial)
- NMR (VC, 6 lectures, college workshop, assessed by workshop)
- Second Law of Thermodynamics (PBK, 6 lectures, central workshop)
- Transition Metals (AKDK, 10 lectures, college tutorial)
- Solid State (MAB, 6 lectures, college tutorial)

The module is assessed by a combination of continuous assessment (NMR), and closed examination covering all remaining lecture courses consisting of written answers (typically 50% of lecture courses) and multiple choice questions.

## Assessment

Task	Length	% of module mark
<b>24 hour open exam</b> Core 2: Chemical Properties & Analysis	N/A	85
<b>Essay/coursework</b> Assessed Workshop	1 hours	15

## Special assessment rules

None

## Reassessment

Task	Length	% of module mark
<b>24 hour open exam</b> Core 2: Chemical Properties & Analysis	N/A	85
<b>Essay/coursework</b> Assessed Workshop	1 hours	15

## Module feedback

Students will receive feedback on their performance in the assessed workshop assessment. They will receive verbal feedback on their progress in the formative tutorials and workshops, which support lectures. The closed examinations are marked within 4 weeks with mark slips (with per-question break-down) being returned to students via supervisors along with the marked scripts. Outline answers are made available via the Chemistry web pages when the students receive their marks, so that they can assess their own detailed progress/achievement. The examiners reports for each question are made available to the students via the Chemistry web pages.

## Indicative reading

Burrows, Parsons, Price, Holman and Pilling, "Chemistry3 : Introducing Inorganic, Organic and Physical Chemistry" (Oxford University Press)

The information on this page is indicative of the module that is currently on offer. The University is constantly exploring ways to enhance and improve its degree programmes and therefore reserves the right to make variations to the content and method of delivery of modules, and to discontinue modules, if such action is reasonably considered to be necessary by the University. Where appropriate, the University will notify and consult with affected students in advance about any changes that are required in line with the University's policy on the [Approval of Modifications to Existing Taught Programmes of Study](#).

### Coronavirus (COVID-19): changes to courses

The 2020/21 academic year will start in September. We aim to deliver as much face-to-face teaching as we can, supported by high quality online alternatives where we must.

Find details of the measures we're planning to protect our community.

[Course changes for new students](#)