

# CH922-10 Microscopy and Imaging

20/21

**Department**

Chemistry

**Level**

Taught Postgraduate Level

**Module leader**

Patrick Unwin

**Credit value**

10

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## Description

[Module web page](#)

## Module aims

To introduce students from a range of different backgrounds to the latest techniques for high resolution bioimaging and image processing. In each case, a comprehensive understanding of a microscopy technique will be motivated by the theory of how an image is formed in the instrument and what determines its resolution and quality. A practical on image processing will range from everyday tasks that students encounter when working with images of different sources to more advanced techniques of quantitative imaging.

## Subject specific skills

No subject specific skills defined for this module.

## Transferable skills

No transferable skills defined for this module.

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## Study

### Private study description

No private study requirements defined for this module.

## Costs

No further costs have been identified for this module.

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## Assessment

You do not need to pass all assessment components to pass the module.

Students can register for this module without taking any assessment.

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## Availability

### Post-requisite modules

If you pass this module, you can take:

- CH936-28 Research Project: Chemistry

## Courses

This module is Core for:

- Year 2 of TCHA-F1PY Postgraduate Taught Analytical Science and Instrumentation
- Year 1 of TCHA-F1PL Postgraduate Taught Molecular Analytical Science
- TBSA-C1P9 Postgraduate Taught Systems Biology
  - Year 1 of C1P9 Systems Biology
  - Year 1 of C1P9 Systems Biology
  - Year 2 of C1P9 Systems Biology

This module is Core optional for:

- TMDA-B91Z Postgraduate Taught Interdisciplinary Biomedical Research
  - Year 1 of B91Z Interdisciplinary Biomedical Research
  - Year 1 of B91Z Interdisciplinary Biomedical Research

This module is Optional for:

- Year 1 of TCHA-F1PB MSc in Chemistry with Scientific Writing
- Year 1 of TCHA-F1PX Postgraduate Taught Analytical and Polymer Science
- TCHA-F1PE Postgraduate Taught Scientific Research and Communication
  - Year 1 of F1PE Scientific Research and Communication
  - Year 2 of F1PE Scientific Research and Communication
- Year 1 of ULFA-C1A2 Undergraduate Biochemistry (MBio)
- Year 1 of ULFA-C1A1 Undergraduate Biological Sciences (MBio)

- Year 1 of ULFA-C1A3 Undergraduate Biomedical Science (MBio)

This module is Core option list B for:

- Year 1 of TCHA-F1PY Postgraduate Taught Analytical Science and Instrumentation