## Chemistry (CH) Distance Learning Modules

### CH4453 Chemistry Distance Learning (Materials Chemistry)

<table>
<thead>
<tr>
<th>SCOTCAT Credits:</th>
<th>10</th>
<th>SCQF Level: 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic year:</td>
<td>2019/0</td>
<td></td>
</tr>
<tr>
<td>Planned timetable:</td>
<td>n/a - Distance Learning</td>
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This distance-learning module allows students to develop an advanced understanding of the basic concepts of various topics in Materials Chemistry.

**Pre-requisite(s):**
Before taking this module you must pass at least 2 modules from {CH2501, CH2601, CH2603, CH2701}

**Anti-requisite(s):**
You cannot take this module if you take CH4452

**Co-requisite(s):**
For programmes with an external placement: CH4441 and CH4454 and CH4455

**Learning and teaching methods of delivery:**
Weekly contact: Distance learning

**Assessment pattern:**
As defined by QAA:
- Written Examinations = 0%,
- Practical Examinations = 0%,
- Coursework = 100%

As used by St Andrews:
- Coursework = 100%

**Re-assessment pattern:**
Oral Re-assessment = 100%

**Module teaching staff:**
Dr F D Morrison, Dr R T Baker

### CH4455 Chemistry Distance Learning (Inorganic Chemistry)

<table>
<thead>
<tr>
<th>SCOTCAT Credits:</th>
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</thead>
<tbody>
<tr>
<td>Academic year:</td>
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<tr>
<td>Planned timetable:</td>
<td>n/a - Distance Learning</td>
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This module offers the material covered by level 4000 BSc/MChem module CH4514 in a distance learning mode to students on the MChem one-year placement. See the module description for CH4514 for details of module content.

**Pre-requisite(s):**
Before taking this module you must pass CH2501 and pass at least 1 module from {CH2601, CH2603, CH2701}. Only chemistry students on external placement may take this module.

**Anti-requisite(s):**
You cannot take this module if you take CH4514 or take CH4451

**Co-requisite(s):**
You must also take CH4441 and take CH4454 and ( take CH4456 or take CH4453 )

**Learning and teaching methods of delivery:**
Weekly contact: Distance Learning

**Assessment pattern:**
As defined by QAA:
- Written Examinations = 0%,
- Practical Examinations = 0%,
- Coursework = 100%

As used by St Andrews:
- Coursework = 100%

**Re-assessment pattern:**
Oral Re-assessment = 100%

**Module teaching staff:**
Dr E Zysman-Colman, Dr B Bode
### CH4456 Chemistry Distance Learning (Organic Chemistry)

<table>
<thead>
<tr>
<th>SCOTCAT Credits:</th>
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<th>SCQF Level</th>
<th>10</th>
<th>Semester</th>
<th>Full Year</th>
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<tbody>
<tr>
<td>Academic year:</td>
<td>2019/0</td>
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<tr>
<td>Availability restrictions:</td>
<td>Available only to students on the MChem Chemistry with External Placement and MChem Chemistry with Medicinal Chemistry and External Placement degree programmes.</td>
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<td>Planned timetable:</td>
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This module offers the material covered by level 4000 BSc/MChem module CH4614 in a distance learning mode to students on the MChem one-year placement. See the module description for CH4614 for details of module content.

**Pre-requisite(s):** Before taking this module you must pass 1 module from {CH2601, CH2603} and pass at least 1 module from {CH2501, ch2701}. Only chemistry students on external placement may take this module.

**Anti-requisite(s):** You cannot take this module if you take CH4614 or take CH4451

**Co-requisite(s):** You must also take CH4441 and take CH4454 and take CH4455

**Learning and teaching methods of delivery:**
- Weekly contact: Distance Learning
- Scheduled learning: 0 hours
- Guided independent study: 100 hours

**Assessment pattern:**
- As defined by QAA:
  - Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%
- As used by St Andrews:
  - Coursework = 100%

**Re-assessment pattern:**
- Oral Re-assessment = 100%

**Module teaching staff:**
- Dr R A Aitken, Dr E Kay

### CH4458 Chemistry Distance Learning (Physical Chemistry)

<table>
<thead>
<tr>
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<th>SCQF Level</th>
<th>10</th>
<th>Semester</th>
<th>Full Year</th>
</tr>
</thead>
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<tr>
<td>Academic year:</td>
<td>2019/0</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Planned timetable:</td>
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This module offers the material covered by level 4000 BSc/MChem module CH4716 in a distance learning mode to students on the MChem one-year External Placement. See the module description for CH4716 for details of module content.

**Pre-requisite(s):** Before taking this module you must pass CH2701 and pass 1 module from {CH2501, CH2601, CH2603}

**Anti-requisite(s):**
- You cannot take this module if you take CH4714 or take CH4454 or take CH4451 or take CH4716

**Co-requisite(s):** You must also take CH4441

**Learning and teaching methods of delivery:**
- Weekly contact: n/a distance learning
- Scheduled learning: 0 hours
- Guided independent study: 100 hours

**Assessment pattern:**
- As defined by QAA:
  - Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%
- As used by St Andrews:
  - Coursework (Open-book problem-solving assessment) = 100%

**Re-assessment pattern:**
- Re-assessment by oral examination. Students will be required to return to St Andrews at an appropriate time (for example at the end of their external placement) to be re-assessed. Details of reassessment as for CH4716.

**Module teaching staff:**
- Prof M Buck, Prof M Buehl