

Third Year Chemistry 2020/21 - Semester I

| Week beginning | 28-Sep | 5-Oct | 12-Oct | 19-Oct | 26-Oct | 2-Nov | 9-Nov | 16-Nov | 23-Nov | 30-Nov | 7-Dec | 14-Dec |
|----------------|--------|-------|--------|--------|--------|-------|-------|--------|--------|--------|-------|--------|
| Week no. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

CH311 - Organic Chemistry

| Mon | 9am | Biomol. Chem. | Heterocyclic | Bank | Heterocyclic | Syn. & Stereo. | Phys. Org. Chem. |
|-----|-----|---------------|--------------|---------|--------------|----------------|------------------|
| | | <i>PC</i> | <i>SM</i> | Holiday | <i>SM</i> | <i>EM</i> | <i>PM</i> |

CH332 - Drug Design & Drug Discovery

| Tue | 9am | Computational Approaches to Drug Design | | | | | | | | | |
|-----|-----|---|--|--|--|--|--|--|--|--|--|
| | | <i>DC</i> | | | | | | | | | |

CH326 - Analytical Chemistry & Molecular Structure

| Tue | 10am | NMR | MS | XRF/TA | GC/HPLC | Cryst. Diff. | Tut. | Surf. Anal. |
|-----|------|-----------|------------|-----------|-----------|--------------|-----------|-------------|
| | | <i>OT</i> | <i>POL</i> | <i>AR</i> | <i>EB</i> | <i>AE</i> | <i>OT</i> | <i>AR</i> |

CH326 - Analytical Chemistry & Molecular Structure

| Wed | 11am | NMR | MS | XRF/TA | GC/HPLC | Cryst. Diff. | Surf. Anal. | Tut. | Surf. Anal. |
|-----|------|-----------|------------|-----------|-----------|--------------|-------------|------------|-------------|
| | | <i>OT</i> | <i>POL</i> | <i>AR</i> | <i>EB</i> | <i>AE</i> | <i>AR</i> | <i>TBA</i> | <i>AR</i> |

CH332 - Drug Design & Drug Discovery

| Thu | 9am | Natural Products | | | | | Approaches to Drug Discovery | | | | |
|-----|-----|------------------|--|--|--|--|------------------------------|--|--|--|--|
| | | <i>OT</i> | | | | | <i>EB</i> | | | | |

CH311 - Organic Chemistry

| Fri | 10am | Biomol. Chem. | Heterocyclic | Syn. & Stereo. | Phys. Org. Chem. |
|-----|------|---------------|--------------|----------------|------------------|
| | | <i>PC</i> | <i>SM</i> | <i>EM</i> | <i>PM</i> |

CH311 - Organic Chemistry

| Fri | 11am | Biomol. Chem. | Heterocyclic | Syn. & Stereo. | Phys. Org. Chem. |
|-----|------|---------------|--------------|----------------|------------------|
| | | <i>PC</i> | <i>SM</i> | <i>EM</i> | <i>PM</i> |

CH326 - Analytical Chemistry & Molecular Structure

| Fri | 12pm | NMR | MS | Tut. | XRF/TA | GC/HPLC | Cryst. Diff. | Surf. Anal. | Tut. | Tut. |
|-----|------|-----------|------------|-----------|-----------|-----------|--------------|-------------|------------|------------|
| | | <i>OT</i> | <i>POL</i> | <i>OT</i> | <i>AR</i> | <i>EB</i> | <i>AE</i> | <i>AR</i> | <i>TBA</i> | <i>TBA</i> |

Practicals

| Mon | 2pm | CH332 Labs | | | | | | | | | |
|-----|-----|---|--|--|--|--|--|--|--|--|--|
| | | <i>Computational and Drug Design Practicals - Bank Holiday 26/10/2020</i> | | | | | | | | | |

| Tue or Wed or Thu or Fri | 2pm | CH333 Labs | | | | | | | | | |
|--------------------------|-----|---------------------------|--|--|--|--|--|--|--|--|--|
| | | <i>Organic Practicals</i> | | | | | <i>Analytical Chemistry & Molecular Structure Practicals</i> | | | | |

Third Year Chemistry 2020/21 - Semester II

| Week beginning | 8-Feb | 15-Feb | 22-Feb | 1-Mar | 8-Mar | 15-Mar | 22-Mar | 29-Mar | 12-Apr | 19-Apr | 26-Apr | 3-May |
|----------------|-------|--------|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|
| Week no. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

CH313 - Physical Chemistry

| Mon | 9am | Phases | Mol. Interact. | Spect. | Kinetics | Electrochem. | Macromol. | Surface | Quantum | Quantum | Tut. |
|-----|-----|-----------|----------------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|------------|
| | | <i>DL</i> | <i>HC</i> | <i>AR</i> | <i>HC</i> | <i>DL</i> | <i>DC</i> | <i>DC</i> | <i>AR</i> | <i>AR</i> | <i>TBA</i> |

CH307 - Inorganic Chemistry

| Tue | 10am | Lab. Intro. | Organomet. Chem. | Comp. Chem./Kinetics | Coord. Chem. | Nucl. Chem. | Nucl. Chem. | Tut. |
|-----|------|-------------|------------------|----------------------|--------------|-------------|-------------|-----------|
| | | <i>LR</i> | <i>CP</i> | <i>AE</i> | <i>PF</i> | <i>LR</i> | <i>LR</i> | <i>AE</i> |

CH313 - Physical Chemistry

| Tue | 11am | Phases | Mol. Interact. | Spect. | Kinetics | Electrochem. | Electrochem. | Macromol. | Surface | Quantum | Tut. | Tut. |
|-----|------|-----------|----------------|-----------|-----------|--------------|--------------|-----------|-----------|-----------|------------|------------|
| | | <i>DL</i> | <i>HC</i> | <i>AR</i> | <i>HC</i> | <i>DL</i> | <i>DL</i> | <i>DC</i> | <i>DC</i> | <i>AR</i> | <i>TBA</i> | <i>TBA</i> |

CH313 - Physical Chemistry

| Wed | 10am | Phases | Mol. Interact. | Spect. | Kinetics | St. Patrick's Day | Macromol. | Macromol. | Surface | Quantum | Tut. | Tut. |
|-----|------|-----------|----------------|-----------|-----------|-------------------|-----------|-----------|-----------|-----------|------------|------------|
| | | <i>DL</i> | <i>HC</i> | <i>AR</i> | <i>HC</i> | <i>DC</i> | <i>DC</i> | <i>DC</i> | <i>DC</i> | <i>AR</i> | <i>TBA</i> | <i>TBA</i> |

CH307 - Inorganic Chemistry

| Wed | 11am | Lab. Intro. | Organomet. Chem. | Comp. Chem./Kinetics | St. Patrick's Day | Coord. Chem. | Nucl. Chem. | Test 2 | Tut. |
|-----|------|-------------|------------------|----------------------|-------------------|--------------|-------------|--------|------|
| | | <i>LR</i> | <i>CP</i> | <i>AE</i> | <i>PF</i> | <i>LR</i> | <i>PF</i> | | |

CH313 - Physical Chemistry

| Fri | 10am | Phases | Mol. Interact. | Spect. | Kinetics | Electrochem. | Macromol. | Surface | Surface | Quantum | Tut. | Tut. |
|-----|------|-----------|----------------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|------------|------------|
| | | <i>DL</i> | <i>HC</i> | <i>AR</i> | <i>HC</i> | <i>DL</i> | <i>DC</i> | <i>DC</i> | <i>DC</i> | <i>AR</i> | <i>TBA</i> | <i>TBA</i> |

CH307 - Inorganic Chemistry

| Fri | 11am | Organomet. Chem | Comp. Chem./Kinetics | Test 1 | Coord. Chem. | Nucl. Chem. | Tut. | Tut. |
|-----|------|-----------------|----------------------|-----------|--------------|-------------|-----------|------|
| | | <i>CP</i> | <i>AE</i> | <i>PF</i> | <i>LR</i> | <i>CP</i> | <i>LR</i> | |

Practicals

| Tue or Wed or Thu or Fri | 2pm | CH334 Labs | | | | | | | | | | |
|--------------------------|-----|----------------------------|--|--------------------------------------|--|--|--|--|--|--|--|--|
| | | <i>Inorganic Practical</i> | | <i>Physical Chemistry Practicals</i> | | | | | | | | |

Third Year Chemistry 2020/21 - Semester II (cont.)

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|----------------|-------|--------|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|
| Week beginning | 8-Feb | 15-Feb | 22-Feb | 1-Mar | 8-Mar | 15-Mar | 22-Mar | 29-Mar | 12-Apr | 19-Apr | 26-Apr | 3-May |
| Week no. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

CH3103 - Validation in the Pharmaceutical and Medical Devices Industry

| | | | | | | | |
|-----|-----|------------|--|--|-----------|--------------------------|------------|
| Wed | 9am | Validation | | | Med. Dev. | <i>St. Patrick's Day</i> | Validation |
| | | <i>CP</i> | | | <i>MC</i> | | <i>CP</i> |

CH3103 - Validation in the Pharmaceutical and Medical Devices Industry

| | | | | | |
|-----|-----|------------|--|-----------|-----------|
| Thu | 9am | Validation | | Med. Dev. | Reach |
| | | <i>CP</i> | | <i>MC</i> | <i>MH</i> |

| |
|--|
| Project Presentations 15 & 22 April, 9am-noon |
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CH3103 - Validation in the Pharmaceutical and Medical Devices Industry

| | | | | | |
|-----|------|------------|--|-----------|-----------|
| Thu | 11am | Validation | | Med. Dev. | Reach |
| | | <i>CP</i> | | <i>MC</i> | <i>MH</i> |

CH3101 - Computers in Chemical Research

| | | | | | | | | | | | | |
|-----------------|-----|--------------|----------------|-------------------|------------|-------------|-----------|------------|-----------|----------------|----------------|-----------------------|
| Mon (Online) | 2pm | | Mol. Graph. | Excel | | e-Searching | Modelling | PowerPoint | PDB | Mol. Dyn. | Project Report | Project Presentations |
| | | | <i>POL</i> | <i>HC</i> | | <i>POL</i> | <i>DC</i> | <i>PC</i> | <i>PC</i> | <i>DC</i> | | |
| Fri (Online) | 2pm | Introduction | Report Writing | Technical Writing | Plagiarism | Referencing | Modelling | PowerPoint | Posters | Project Report | | Project Presentations |
| | | <i>PF</i> | <i>AE</i> | <i>EM</i> | <i>PF</i> | <i>PF</i> | <i>DC</i> | <i>PC</i> | <i>CP</i> | | | |