

| Class Code | Descriptor                                             | Time        | Day       | Date      | Location                     | Inv 1                  | Inv 2                   | Reserve                 | Lead Dept.                | No of Students |
|------------|--------------------------------------------------------|-------------|-----------|-----------|------------------------------|------------------------|-------------------------|-------------------------|---------------------------|----------------|
| PH182      | MATHEMATICS FOR PHYSICS 1B                             | 09:30-11:30 | Wednesday | 31-Jul-19 | JA5.02                       | Gian-Luca Oppo         | Francesco Papoff        | Alison Yao              | Physics                   | 6              |
| PH167      | PHYSICAL ELECTRONICS                                   | 14:00-16:00 | Wednesday | 31-Jul-19 | RC5.57                       | Adrian Cross           | Kevin Ronald            | Johannes Hermsdorf      | Physics                   | 20             |
| PH959      | EXPERIMENTAL QUANTUM AND ATOM OPTICS                   | 09:30-12:30 | Thursday  | 01-Aug-19 | JA5.05                       | Stefan Kuhr            | Elmar Haller            | Daniel Oi               | Design                    | 1              |
| PH462      | TOPICS IN QUANTUM OPTICS                               |             |           |           |                              |                        |                         |                         |                           | 2              |
| PH252      | QUANTUM PHYSICS AND ELECTROMAGNETISM                   | 09:30-11:30 | Thursday  | 01-Aug-19 | JA5.06                       | Gordon Robb            | Paul Griffin            |                         | Physics                   | 23             |
| PH183      | MECHANICS AND WAVES                                    | 09:30-11:30 | Friday    | 02-Aug-19 | Assembly Hall                | Michael Strain         | Alison Yao              | Antonio Hurtado         | Physics                   | 5              |
| PH151      | MECHANICS, OPTICS AND WAVES                            |             |           |           |                              |                        |                         |                         |                           | 12             |
| PH260      | PHYSICAL ELECTRONICS                                   |             |           |           |                              |                        |                         |                         |                           | 4              |
| PH351      | MATHEMATICS 4B                                         | 14:00-17:00 | Friday    | 02-Aug-19 | JA5.06                       | Nigel Badnell          | Brian McNeil            | Kevin Ronald            | Physics                   | 16             |
| PH452      | TOPICS IN PHYSICS                                      | 14:00-17:00 | Friday    | 02-Aug-19 | RC5.57                       | Kevin Ronald           | Jonathan Pritchard      | Jennifer Hastie         | Economics                 | 4              |
| PH963      | ADVANCED PHOTONICS DEVICES                             |             |           |           |                              |                        |                         |                         |                           | 1              |
| PH251      | MECHANICS, OPTICS AND WAVES                            | 09:30-11:30 | Monday    | 05-Aug-19 | JA5.05                       | Brian Patton           | Nigel Langford          | Elmar Haller            | Physics                   | 16             |
| PH359      | STATISTICAL PHYSICS                                    | 09:30-11:00 | Monday    | 05-Aug-19 | RC5.03                       | Brian McNeil           | Daniel Oi               |                         | Physics                   | 19             |
| PH160      | INTRODUCTION TO ASTRONOMY                              | 14:00-15:30 | Monday    | 05-Aug-19 | JA5.05                       | Gordon Robb            | Andrew Daley            | Francesco Papoff        | Physics                   | 4              |
| PH453      | TOPICS IN SOLID STATE PHYSICS                          | 14:00-17:00 | Monday    | 05-Aug-19 | University Centre            | Rob Martin             | Ben Hourahine           | Carol Trager-Cowan      | Mathematics & Statistics  | 1              |
| PH962      | PHOTONICS MATERIALS AND DEVICES                        |             |           |           |                              |                        |                         |                         |                           | 1              |
| PH456      | TOPICS IN COMPUTATIONAL AND COMPLEX SYSTEMS IN PHYSICS |             |           |           |                              |                        |                         |                         |                           | 1              |
| PH184      | QUANTUM PHYSICS AND ELECTROMAGNETISM                   | 14:00-16:00 | Tuesday   | 06-Aug-19 | JA5.07                       | Michael Strain         | Alison Yao              | Zheng-Ming Sheng        | Physics                   | 12             |
| PH152      | QUANTUM PHYSICS AND ELECTROMAGNETISM                   |             |           |           |                              |                        |                         |                         |                           | 6              |
| PH352      | QUANTUM PHYSICS AND ELECTROMAGNETISM                   | 09:30-12:30 | Wednesday | 07-Aug-19 | JA5.07                       | John Jeffers           | Robert Cameron          | Gordon Robb             | Physics                   | 22             |
| PH953      | INTRODUCTORY NANOSCIENCE                               | 14:00-17:00 | Wednesday | 07-Aug-19 | JA5.06                       | Paul Griffin           | Erling Riis             | Elmar Haller            | Physics                   | 4              |
| PH459      | TOPICS IN ATOMIC, MOLECULAR AND NUCLEAR PHYSICS        |             |           |           |                              |                        |                         |                         |                           | 5              |
| PH259      | GASES AND LIQUIDS                                      | 09:30-11:00 | Thursday  | 08-Aug-19 | CW4.04                       | Brian McNeil           | Daniel Oi               | Sebastian Van de Linde  | Physics                   | 23             |
| PH181      | MATHEMATICS FOR PHYSICS 1A                             | 09:30-11:30 | Thursday  | 08-Aug-19 | CW4.06                       | Aidan Arnold           | Francesco Papoff        | Konstantinos Lagoudakis | Physics                   | 16             |
| PH358      | CONDENSED MATTER PHYSICS                               | 09:30-11:00 | Friday    | 09-Aug-19 | RC5.03                       | Andrew Daley           | Rob Martin              |                         |                           | 22             |
| PH956      | ADVANCED NANOSCIENCE 2                                 | 09:30-12:30 | Friday    | 09-Aug-19 | JA5.07                       | Ben Hourahine          | Erling Riis             | David McKee             | Accounting & Finance      | 3              |
| PH957      | TOPICS IN PHOTONICS                                    |             |           |           |                              |                        |                         |                         |                           | 3              |
| PH258      | CONDENSED MATTER PHYSICS                               | 14:00-15:10 | Friday    | 09-Aug-19 | JA5.06                       | Carol Trager-Cowan     | Konstantinos Lagoudakis | Alessandro Rossi        | SIPBS                     | 5              |
| PH355      | PHYSICS SKILLS                                         | 09:30-12:30 | Monday    | 12-Aug-19 | Assembly Hall                | Keith Mathieson        | Antonio Hurtado         | Lucia Caspani           | Mathematics & Statistics  | 2              |
| PH955      | ADVANCED NANOSCIENCE 1                                 | 09:30-12:30 | Monday    | 12-Aug-19 | JA5.06                       | Sebastian Van de Linde | Olaf Rolinski           | Oliver Henrich          | Physics                   | 7              |
| PH560      | ADVANCED TOPICS IN ELECTROMAGNETISM AND PLASMA PHYSICS | 14:00-17:00 | Monday    | 12-Aug-19 | University Centre            | Kevin Ronald           | Alan Kemp               | Adrian Cross            | Mathematics & Statistics  | 1              |
| PH166      | FOUNDATION PHYSICS                                     | 09:30-11:00 | Tuesday   | 13-Aug-19 | CW5.07                       | Bernhard Hidding       | Zheng-Ming Sheng        | Olaf Rolinski           | Human Resource Management | 4              |
| PH457      | TOPICS IN THEORETICAL PHYSICS                          | 14:00-17:00 | Tuesday   | 13-Aug-19 | Assembly Hall                | Nigel Badnell          | John Jeffers            | Brian Patton            | Accounting & Finance      | 6              |
| PH254      | COMPUTATIONAL PHYSICS                                  | 14:00-15:30 | Tuesday   | 13-Aug-19 | GH6.34                       | Gian-Luca Oppo         | Ben Hourahine           | Francesco Papoff        | Physics                   | 15             |
| PH150      | EXPERIMENTAL PHYSICS                                   |             |           |           | TO BE ARRANGED BY CLASS HEAD |                        |                         |                         | Physics                   | 2              |
| PH250      | EXPERIMENTAL PHYSICS                                   |             |           |           | TO BE ARRANGED BY CLASS HEAD |                        |                         |                         | Physics                   | 4              |
| PH350      | EXPERIMENTAL PHYSICS                                   |             |           |           | TO BE ARRANGED BY CLASS HEAD |                        |                         |                         | Physics                   | 5              |