

## DEGREE OF MASTER OF ARTS IN NATURAL PHILOSOPHY (01F30170)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Master of Arts

**All the courses listed below are prescribed for this degree**

| PROGRAMME YEAR 1 – 120 Credit Points                   |   |               |             |                           |               |
|--|---|---------------|-------------|---------------------------|---------------|
| Term 1   |   |               | Term 2      |                           |               |
| Course Code  | Course Title                                  | Credit Points | Course Code | Course Title              | Credit Points |
| PD 1002  | Getting Started at the University of Aberdeen | 0             |             |                           |               |
| PX 1015  | The Physical Universe – A                     | 15            | PX 1513     | The Physical Universe – B | 15            |
| MA 1005  | Calculus 1                                    | 15            | MA 1508     | Calculus II               | 15            |
| MA 1006  | Algebra                                       | 15            |             |                           |               |
| Plus 30 credit points from level 1 Philosophy courses. |   |               |             |                           |               |
| Plus 15 credits from courses of choice.                |   |               |             |                           |               |

| PROGRAMME YEAR 2 – 120 Credit Points                         |                     |               |             |                                  |               |
|--|---------------------|---------------|-------------|----------------------------------|---------------|
| Term 1   |                     |               | Term 2      |                                  |               |
| Course Code  | Course Title        | Credit Points | Course Code | Course Title                     | Credit Points |
| PX 2013  | Light Science       | 15            | PX 2505     | Practical Optics and Electronics | 15            |
| PX 2015  | Dynamical Phenomena | 15            | PX 2510     | Relativity and Quantum Mechanics | 15            |
| Plus a further 30 credit points of level 2 Philosophy.       |                     |               |             |                                  |               |
| Plus further courses of choice to make up 120 credit points. |                     |               |             |                                  |               |

| PROGRAMME YEAR 3 – 120 Credit Points  |                                 |               |             |                            |               |
|---|---------------------------------|---------------|-------------|----------------------------|---------------|
| Term 1  |                                 |               | Term 2      |                            |               |
| Course Code   | Course Title                    | Credit Points | Course Code | Course Title               | Credit Points |
| PX 3014   | Energy and Matter               | 15            | PX 3512     | Electricity and Magnetism  | 15            |
| PX 3016   | Introduction to the Solid State | 15            | PX 3510     | Advanced Practical Physics | 15            |
|   |                                 |               | PX 3511     | Quantum Mechanics          | 15            |
| Plus 30 credit points of level 3 courses in Philosophy.                           |                                 |               |             |                            |               |
| Plus further credit points from courses of choice to gain a total of 120 credits. |                                 |               |             |                            |               |

| PROGRAMME YEAR 4 – 120 Credit Points                                     |  |               |               |                                       |               |
|--|--|---------------|---------------|---------------------------------------|---------------|
| Term 1   |  |               | Term 2        |                                       |               |
| Course Code  | Course Title                               | Credit points | Course Code   | Course Title                          | Credit points |
| PX 4011  | Project A                                  |               |               |                                       | 30            |
| PX 4007  | Case Studies in the Physical Sciences      | 15            | PX 4510       | *Structure of Matter and the Universe | 15            |
|  |  |               | OR<br>PX 4516 | *Nuclear and Semiconductor Physics    | 15            |
| PX 4012  | Statistical Physics and Stochastic Systems | 15            | PX 4514       | Modelling Theory                      | 15            |
| *These courses alternate on a 2-year cycle. PX 4516 will run in 2024-25. |  |               |               |                                       |               |
| Plus 30 further credit points from level 4 Philosophy courses.           |  |               |               |                                       |               |

| Notes |  |
|-------|--|
| 1.    | A Philosophy dissertation may be chosen provided the subject chosen is in the Philosophy of Science or a cognate area.   |
| 2.    | Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including the prescribed courses required to enter programme year 3. |