Stage 1 (University Foundation) – Mathematics

Duration: 2 semesters

Intakes: January & September

A Mathematics degree from the University of Portsmouth can lead to many career options and will give you an understanding of a range of different professions within modern commerce and industry.

**Stream 1**

The Foundation has been designed for students who wish to study one of the following University of Portsmouth degree courses:

* BSc (Hons) Mathematics

*With a good mixture of mathematics and its varying applications, there is an emphasis on statistics, operational research and modelling. Alongside this, the flexible nature of our course means you can choose to take your studies to a more in-depth level or broaden your knowledge according to your interests*.

* BSc (Hons) Mathematics for Finance and Management

*You’ll cover the mathematics of high finance and big business – from the mathematical analysis and modelling used to track investments, to the mathematics that managers need to make their budgets work harder.*

* BSc (Hons) Mathematics with Statistics

*This course equips you with the indispensable problem-solving and decision-making tools highly sought after by a vast number of industries.*

**Course information**

One credit is equivalent to 10 hours of learning. This programme is comprised of 135 credit points, equivalent to 1350 notional hours comprised of 448 contact hours and 902 self-directed hours. You will study the following modules over two semesters:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Module Name** | **Module Code** | **Core/ Option** | **Credit** | **Assessment Type** | **Weighting (%)** |
| ICT Skills  **Contact hours per week:** **3h** | BUS107BL | Core | 10 | (A) Practical exercise covering word and excel skills | 40 |
| (B) 2 hour closed book exam | 60 |
| Numerical Techniques 1  **Contact hours per week:** **5h** | SCI101EM | Core | 20 | (A) 2 hour closed book exam | 40 |
| (B) Final 2 hour closed book exam | 60 |
| Interactive Learning Skills and Communication  **Contact hours per week:** **5h** | ILSCBL0 | Core | 20 | (A) Research and Reference a Topic | 10 |
| (B) Oral Presentation | 20 |
| (C) Group Project | 20 |
| (D) Closed Book Examination 2.5 hours to include listening component | 40 |
| (E) PDP Portfolio | 10 |
| Engineering Principles 1  **Contact hours per week:** **5h** | ENS101 | Core | 20 | (A) 1500 word laboratory report | 20 |
| (B) 1 hour closed book exam | 30 |
| (C) 2 hour closed book exam | 50 |
| Numerical Techniques 2  **Contact hours per week:** **5h** | SCI102 | Core | 20 | (A) 2 hour closed book exam semester | 40 |
| (B) Final 2 hour closed book exam | 60 |
| Numerical Techniques 3  **Contact hours per week:** **5h** | SCI103 | Core | 20 | (A) 2 hour closed book exam | 40 |
| (B) Final 2 hour closed book exam | 60 |
| Research Method, Critical Thinking & Expression  **Contact hours per week:** **4h** | RES101 | Core | 15 | (A) 1 hour in-class test | 20 |
| (B) 1000 word written argument | 20 |
| (C) Final 2 hour closed book exam | 60 |
| Programming Concepts  **Contact hours per week:** **3h** | SCI107 | Core | 10 | (A) MCT (20 mins) | 5 |
| (B) MCT (20 mins) | 5 |
| (C) MCT (20 mins) | 5 |
| (D) Problem solving task | 25 |
| (E) Final 2 hour closed book examination | 60 |

You will be required to pass all modules (135 credits) in order to successfully complete Stage 1 (University Foundation).