

Code	Module Title	ECTS Credits	Semester/Duration	% Exam	% CA	Quota	Pre-requisite	Notes	Column1
PYU11F10	Foundation Physics for Life and Earth Sciences	10	Semester 1	50	50	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Not to be taken with PYU11F20; Exam format subject to change
PYU11F20	Foundation Physics for Life and Earth Sciences	10	Semester 2	50	50	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Not to be taken with PYU11F10; Exam format subject to change
PYU11P10	Physics 1	10	Semester 1	60	40	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYU11P20	Physics 2	10	Semester 2	60	40	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYU22P10	Physics 1	10	Semester 1	60	40	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYU22P20	Physics 2	10	Semester 2	60	40	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33P01</a>	Quantum Mechanics I	5	Semester 1	85	15	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33P02</a>	Electromagnetic Interactions I	5	Semester 1	50	50	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33P03</a>	Condensed Matter I	5	Semester 1	80	20	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33P04</a>	Condensed Matter II (Semiconductor Physics)	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33P15</a>	Atomic Physics and Statistical Thermodynamics	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33A03</a>	Stellar and Galactic Structure	5	Semester 1	60	40	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33A17</a>	Astrophysics Technique	5	Semester 2	80	20	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33C01</a>	Computer Simulation I	5	Semester 1	50	50	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33P07</a>	Experimental Techniques	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change

<a href="#">PYU33PP3</a>	Practical in Physics	10	Full Year	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33PP4</a>	Practical in Physics	5	Semester 2	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33PP5</a>	Practical in Physics	5	Semester 1	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	For visiting students present in Semester 1 only
<a href="#">PYU33PP6</a>	Practical in Physics	5	Semester 2	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	For visiting students present in Semester 2 only
<a href="#">PYU33AP3</a>	Practical in Physics and Astrophysics	10	Full Year	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU33AP4</a>	Practical in Physics and Astrophysics - Computer Laboratory	5	Semester 2	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44P05</a>	Electromagnetic Interactions II	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44P06</a>	Modern Optics	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44P11</a>	Advanced Quantum Mechanics, Nuclear structure and High Energy Physics	10	Full Year with delayed start	75	25	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44P12</a>	Nuclear Structure and High Energy Physics	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44P13</a>	Magnetism and Superconductivity	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44P17</a>	Energy Science	5	Semester 2	100	0	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44T20</a>	Quantum Optics and Information	5	Semester 2	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44N02</a>	Nanoscience, Complex Fluids and Polymers	10	Full Year with delayed start	75	25	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
<a href="#">PYU44C01</a>	Computer Simulation II	5	Semester 2	80	20	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change

PYU44A01	Cosmology, Planetary and Space Science	10	Full Year with delayed start	50	50	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYU44A05	Cosmology	5	Semester 2	50	50	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYP11Q10	Introduction to Quantum Information Science	10	Semester 1	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYP11Q30	Open Quantum Systems	10	Semester 1	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYP11Q40	Quantum Material Science	10	Semester 1	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYP11Q50	Physical implementations of quantum technology	10	Semester 2	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PYP11Q60	Quantum Computing and Algorithms	10	Semester 2	0	100	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PY7001	Conventional Energy Sources and Technologies	10	Semester 1	TBD	TBD	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change
PY7002	Electric Power Generation and Distribution	10	Semester 2	TBD	TBD	TBD	academic experience to that which full degree seeking Trinity students have.	Please contact School or Lecturer for permission to take module and enroll.	Exam format subject to change

**Module enrolment for the school of Physics is managed locally. Please contact the school directly to be enrolled in any of the above modules**

**For more information on module descriptors please contact Alessandro Lunghi - [lunghia@tcd.ie](mailto:lunghia@tcd.ie) or click on the module descriptor**

**Please note that Modules relate to the 2024/25 Academic Year and are subject to change**