

# First Year Physics 25/26 Modules & Assessment

Volta  
1745 - 1827

Ampere  
1775 - 1836

Ohm  
1789 - 1854

Faraday  
1791 - 1867

Joule  
1818 - 1889

Kelvin  
1824 - 1907

Trimesters 1 & 2 (20 credit long thin modules)

Engineering + Acoustics + Audio & Video + Physics & Materials + Computer Science, Multimedia & Telecommunications

## Mechanics, Relativity and Quantum Physics

Coursework: Assignment 1, 50%

Coursework: Assignment 2, 50%

Galileo  
1736 - 1819

# Units and dimensions

The SI units for the five basic dimensions are:

## Electricity, Magnetism and Light

Coursework: Assignment 1, 50%

Coursework: Assignment 2, 50%

Coulomb  
1736 - 1806

## Physics Laboratory 1

Coursework: Experimental Skills Journal, 50%

Coursework: Experimental Physics Journal, 50%

Newton  
1642 - 1727

## Physics in Context

Coursework: Problem Solving Journal, 70%

Coursework: Energy Research, 30%

Boyle  
1627 - 1691

## Modelling of Physical Systems

Coursework: Assignment: Dynamics of Physical Systems, 50%

Coursework: Assignment: Waves & Thermal Physics, 50%

Ohm  
1789 - 1854

## Mathematics

Coursework: Assignment 1, 50%

Coursework: Assignment 2, 50%

Time	second	hertz	Hz	s	s <sup>-1</sup>
Length	metre	metre		m	m <sup>2</sup>
Volume	cubic metre	cubic metre		m <sup>3</sup>	
Speed, velocity	metre / second	metre / second		m s <sup>-1</sup>	
Acceleration	metre / (second × second)	metre / (second × second)		m s <sup>-2</sup>	
Mass	kilogram	kilogram		kg	
Density	mass / volume	mass / volume		kg m <sup>-3</sup>	
Work, energy, heat	joule	joule	J	N m	kg m <sup>2</sup> s <sup>-2</sup>
Electric potential	volt	electron volt	eV	1.60 × 10 <sup>-19</sup> J	kg m <sup>2</sup> s <sup>-2</sup>
Power	watt	watt	W	J / s	kg m <sup>2</sup> s <sup>-3</sup>
Pressure	pascal	pascal	Pa	N / m <sup>2</sup>	kg m <sup>-1</sup> s <sup>-2</sup>
Electric current	ampere	ampere	A		A
Charge	coulomb	coulomb	C		A s
Potential difference	volt	volt	V	J / C	kg m <sup>2</sup> A <sup>-1</sup> s <sup>-3</sup>
Resistance	ohm Ω	ohm Ω	Ω	V / A	kg m <sup>2</sup> A <sup>-2</sup> s <sup>-3</sup>

Boltzmann  
1844 - 1906

Hertz  
1857 - 1894

Curie  
1867 - 1934

Rutherford  
1871 - 1937

Boyle  
1627 - 1691

Note on week numbers. Week numbering starts with Induction Week as week 0, and then Trimester 1 (T1) *teaching weeks* start with week 01. The *timetabling week* numbers then continue throughout the year, up to week 51 (including vacation weeks) – shown in brackets on next page. It is useful to list timetabling and teaching weeks – the latter such as in Trimester 2: T2-01 being the first teaching week of Trimester 2. See the next pages for detailed breakdowns of dates and week numbering.

<u>Week</u>	Week	<u>Assessment</u>
Trimester weeks	Timetable weeks	
Volta 1745 - 1807		<b>TRIMESTER ONE (T1)</b>
		Faraday 1791 - 1867
		Joule 1818 - 1889
		Kelvin 1824 - 1907

<b>T1-12</b>	12	<b>Modelling of Physical Systems.</b> Assignment: Dynamics of Physical Systems: 50% Due week T1-12 (12), Wed 03 Dec 2025
<b>T1-13</b>	13	<b>Mathematics.</b> Assignment 1: 50% Due week T1-13 (13), Mon 08 Dec 2025
<b>T1-13</b>	13	<b>Mechanics, Relativity and Quantum Physics.</b> Assignment 1: 50% Due week T1-13 (13), Wed 10 Dec 2025
<b>T1-13</b>	13	<b>Electricity, Magnetism and Light.</b> Assignment 1: 50% Due week T1-13 (13), Fri 12 Dec 2025
		<b>TRIMESTER TWO (T2)</b>
<b>T2-02</b>	20	<b>Physics Laboratory 1.</b> Experimental Skills Journal: 50% Due week T2-02 (20), Fri 30 Jan 2026
<b>T2-05</b>	23	<b>Physics in Context.</b> Problem Solving Journal 70% Due week T2-05 (23), Fri 20 Feb 2026
<b>T2-12</b>	32	<b>Modelling of Physical Systems.</b> Assignment: Thermal Physics and Waves: 50% Due week T2-12 (32), Wed 22 Apr 2026
<b>T2-12</b>	32	<b>Physics in Context.</b> Energy Research 30% Due week T2-12 (32), Fri 24 Apr 2026
<b>T2-12</b>	32	<b>Physics Laboratory 1.</b> Experimental Physics Journal: 50% Due week T2-12 (32), Fri 24 Apr 2026
<b>T2-13</b>	33	<b>Mathematics.</b> Assignment 2: 50% Due week T2-13 (33), Mon 27 Apr 2026
<b>T2-13</b>	33	<b>Mechanics, Relativity and Quantum Physics.</b> Assignment 2: 50% Due week T2-13 (33), Wed 29 Apr 2026
<b>T2-13</b>	33	<b>Electricity, Magnetism and Light.</b> Assignment 2: 50% Due week T2-13 (33), Fri 01 May 2026

# Units and dimensions

The SI units for the five basic dimensions are:

Time	second	s
Frequency	hertz	s <sup>-1</sup>
Length	metre	m
Area	metre squared	m <sup>2</sup>
Volume	cubic metre	m <sup>3</sup>
Speed, Velocity	metre / second	m s <sup>-1</sup>
Acceleration	metre / (second x second)	m s <sup>-2</sup>

Mass	kilogram	kg
Density	mass / volume	kg m <sup>-3</sup>
Force	newton	N
Work, energy, heat	joule	J
Power	watt	W
Pressure	pascal	Pa
Temperature	kelvin	K
Electric current	ampere	A
Charge	coulomb	C
Potential	volt	V
Resistance	ohm	Ω

## Academic Year by Week 2025/26

## First Year Assessments

week begins (Monday)	Trimesters	timetable wk no	pool rooms bookable for teaching and revision
8 September 2025	<i>Welcome/Induction</i>		0
15 September 2025	<b>Trimester 1</b>	1	1
22 September 2025	<b>Trimester 1</b>	2	2 ✓
29 September 2025	<b>Trimester 1</b>	3	3 ✓
6 October 2025	<b>Trimester 1</b>	4	4 ✓
13 October 2025	<b>Trimester 1</b>	5	5 ✓
20 October 2025	<b>Trimester 1</b>	6	6 ✓
27 October 2025	<b>Trimester 1</b>	7	7 ✓
3 November 2025	<b>Trimester 1</b>	8	8 ✓
10 November 2025	<b>Trimester 1</b>	9	9 ✓
17 November 2025	<b>Trimester 1</b>	10	10 ✓
24 November 2025	<b>Trimester 1</b>	11	11 ✓
1 December 2025	<b>Trimester 1</b>	12	12 ✓
8 December 2025	<b>Trimester 1</b>	13	13 ✓
15 December 2025	<i>Christmas Vacation</i>		
22 December 2025	<i>Christmas Vacation</i>		
29 December 2025	<i>Christmas Vacation</i>		
5 January 2026	<i>Christmas Vacation</i>		
12 January 2026	<i>Welcome/Induction</i>		18 ✓
19 January 2026	<b>Trimester 2</b>	1	19 ✓
26 January 2026	<b>Trimester 2</b>	2	20 ✓
2 February 2026	<b>Trimester 2</b>	3	21 ✓
9 February 2026	<b>Trimester 2</b>	4	22 ✓
16 February 2026	<b>Trimester 2</b>	5	23 ✓
23 February 2026	<b>Trimester 2</b>	6	24 ✓
2 March 2026	<b>Trimester 2</b>	7	25 ✓
9 March 2026	<b>Trimester 2</b>	8	26 ✓
16 March 2026	<b>Trimester 2</b>	9	27 ✓
23 March 2026	<b>Trimester 2</b>	10	28 ✓
30 March 2026	<b>Trimester 2</b>	11	29 ✓
6 April 2026	<i>Easter Vacation</i>		
13 April 2026	<i>Easter Vacation</i>		
20 April 2026	<b>Trimester 2</b>	12	32 ✓
27 April 2026	<b>Trimester 2</b>	13	33 ✓
4 May 2026	<i>Inter-Trimester Break</i>		34 ✓
11 May 2026	<b>Trimester 3</b>	1	35 ✓
18 May 2026	<b>Trimester 3</b>	2	36 ✓
25 May 2026	<b>Trimester 3</b>	3	37 ✓
1 June 2026	<b>Trimester 3</b>	4	38 ✓
8 June 2026	<b>Trimester 3</b>	5	39 ✓
15 June 2026	<b>Trimester 3</b>	6	40 ✓
22 June 2026	<b>Trimester 3</b>	7	41 ✓
29 June 2026	<b>Trimester 3</b>	8	42 ✓
6 July 2026	<b>Trimester 3</b>	9	43 ✓
13 July 2026	<b>Trimester 3</b>	10	44 ✓
20 July 2026	<b>Trimester 3</b>	11	45 ✓
27 July 2026	<b>Trimester 3</b>	12	46 ✓
3 August 2026	<b>Trimester 3</b>	13	47 ✓
10 August 2026	<b>Trimester 3</b>	14	48 ✓
17 August 2026	<i>Inter-Trimester Break</i>		49 ✓
24 August 2026	<i>Inter-Trimester Break</i>		50 ✓
31 August 2026	<i>Inter-Trimester Break</i>		51 ✓
7 September 2026	<i>Welcome/Induction 2026/27</i>		

### ASSESSMENTS

Modelling of Physical Systems  
Maths + MechRelQuantPhys + ElectMagLight

Laboratory (Skills Journal)

Physics in Context (Problem Solving)

(Bank Holiday Friday)  
(Bank Holiday Monday)

Modelling of PS + Phys in Context + Lab (Physics Journal)  
Maths + MechRelQPhys + ElectMagLight

(Bank Holiday Monday)

All events are subject to change

All teaching, revision and assessment shall take place within modules during the designated trimester periods. (Academic Regulations for Taught Programmes)