

國立台灣科技大學 114學年 第2學期 課程大綱

Spring 2026 NTUST Course Outline

授課教師：葉秉慧

Instructor: Pinghui Sophia Yeh

課程名稱：物理(下)

Course Title : Physics (II)

2026/5/6

<p>課程代號： ET163B010 Course Code</p> <p>學分數： 3 Credits</p>	<p>必選修：必修/全學年 Required/Elective: Required/Full Yr.</p> <p>先修課程： Prerequisites</p>
<p>節次教室： R3(IB-501) R4(IB-501) T2(IB-501) TA(IB-510-2) Time/Location</p>	
<p>專業核心能力： Core Professional Competencies</p>	
<p>課程網址： Course Website</p>	
<p>課程宗旨： Course Objectives</p> <p>上學期：運動學與動力學、功與能量、動量、轉動運動、萬有引力、振動與波動、溫度與熱力學、聲波 下學期：電場、高斯定律、電位與電容、磁場、法拉第定律與電感、直流與交流電路、電磁波 "Fall semester: kinematics and dynamics, power and energy, momentum, rotational motion, gravity, vibration and fluctuations, temperature and thermodynamic, acoustic Spring semester: the electric field, Gauss's law, potential and capacitance, magnetic field, Faraday's law and inductance, DC and AC circuits, electromagnetic wave"</p>	
<p>課程大綱： Outline of Lectures</p> <p>上學期：運動學與動力學、功與能量、動量、轉動運動、萬有引力、振動與波動、溫度與熱力學、聲波 下學期：電場、高斯定律、電位與電容、磁場、法拉第定律與電感、直流與交流電路、電磁波 "Fall semester: kinematics and dynamics, power and energy, momentum, rotational motion, gravity, vibration and fluctuations, temperature and thermodynamic, acoustic Spring semester: the electric field, Gauss's law, potential and capacitance, magnetic field, Faraday's law and inductance, DC and AC circuits, electromagnetic wave"</p>	
<p>授課方式： Method of Instruction</p> <p>講授 Lecture : 100% 分組討論 Group discussion : 0% 案例研討 Case study : 0% 操做練習 Practical exercises : 0% 講授 Lecture : %</p>	
<p>教科書： Textbooks</p> <p>"Physics for Scientists and Engineers with Modern Physics" by Serway and Jewett, 10th, 9th, 8th, 7th or 6th edition (台灣代理商：滄海圖書)</p>	
<p>參考書目： References</p>	
<p>修課須知： Notice</p>	

評量方式： 期中考(40%)，期末考(40%)，平時成績(20%)
Grading

備註說明：
Notes