

**Course List for Cross-Institutional Course Enrolment Scheme  
(2nd Semester, 2025 - 2026)**

**Institution: City University of Hong Kong**

<i>Subject Code</i>	<i>Subject Title</i>	<i>Units</i>	[Note 1] <i>Level</i>	[Note 2] <i>Keyword Syllabus or Brief Subject Description</i>	<i>Prerequisites / Pre-cursors (if any)</i>	[Note 3] <i>Result Grade</i>	[Note 4] <i>Medium of Instruction</i>	<i>Application Deadline (yyyy/mm/dd)</i>	<i>Remarks, if any (e.g. quota for visiting students)</i>
<b>Department of Physics</b>									
PHY8255	Introduction to Quantum Optics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8255.htm">http://www.cityu.edu.hk/pg/current/course/PHY8255.htm</a>	Prerequisites PHY3205 and PHY3251	A+ - F	E	<b>2026/01/02</b>	
PHY8401	Advanced Instrumentation and Measurement Methods for Experimental Physics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8401.htm">http://www.cityu.edu.hk/pg/current/course/PHY8401.htm</a>	Nil	A+ - F	E	<b>2026/01/02</b>	
PHY8502	Advanced Computational Methods for Simulation and Modelling	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8502.htm">http://www.cityu.edu.hk/pg/current/course/PHY8502.htm</a>	Nil	A+ - F	E	<b>2026/01/02</b>	
PHY8504	Physics at Nanoscale	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8504.htm">http://www.cityu.edu.hk/pg/current/course/PHY8504.htm</a>	Prerequisites PHY3251	A+ - F	E	<b>2026/01/02</b>	
PHY8505	Modern Topics in Physics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8505.htm">http://www.cityu.edu.hk/pg/current/course/PHY8505.htm</a>	Pre-cursors AP3251 / PHY3251	A+ - F	E	<b>2026/01/02</b>	
PHY8521	Advanced Solid State Physics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8521.htm">http://www.cityu.edu.hk/pg/current/course/PHY8521.htm</a>	Prerequisites AP3251 / PHY3251; Pre-cursors AP3272/PHY3272 and AP3290/PHY3290	A+ - F	E	<b>2026/01/02</b>	
PHY8603	Introduction to Quantum Information	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8603.htm">http://www.cityu.edu.hk/pg/current/course/PHY8603.htm</a>	Prerequisites PHY3205/PHY3251	A+ - F	E	<b>2026/01/02</b>	
PHY8604	Machine Learning in Physics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8604.htm">http://www.cityu.edu.hk/pg/current/course/PHY8604.htm</a>	Nil	A+ - F	E	<b>2026/01/02</b>	

[Note 1] Please indicate subject level by UG or PG (UG = advanced undergraduate level, PG = postgraduate level and R=Research level).

[Note 2] Please provide information either in text or in hyperlink.

[Note 3] Please indicate result grade by P/F, S/U, A+-F, etc. (P/F = pass or fail; S/U = satisfactory or unsatisfactory; A+-F = fine grades from A+ to F, etc.).

[Note 4] Please indicate medium of instruction by E, C or P (E = English; C = Cantonese and P = Putonghua).