

**Subject list for *Collaboration of Research Postgraduate Programmes*  
(1st Semester, 2024-2025)**

**Institution: City University of Hong Kong**

<i>Subject Code</i>	<i>Subject Title</i>	<i>Units</i>	<i>Level</i>	<i>Keyword Syllabus or Brief Subject Description</i>	<i>Prerequisites / Pre-cursors (if any)</i>	<i>Result Grade</i>	<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>									
PHY8001	Survival Skills for Research Scientists	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8001.htm">http://www.cityu.edu.hk/pg/current/course/PHY8001.htm</a>	Equivalent course: AP8001	A+ - F	E	<b>2024/08/21</b>	
PHY8251	Advanced Quantum Mechanics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8251.htm">http://www.cityu.edu.hk/pg/current/course/PHY8251.htm</a>	Precursors: AP1203/PHY1203 Prerequisites: AP3251/PHY3251 Exclusive course: PHY6251	A+ - F	E	<b>2024/08/21</b>	
PHY8253	Introduction to Biophysics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8253.htm">http://www.cityu.edu.hk/pg/current/course/PHY8253.htm</a>	Exclusive course: PHY6253	A+ - F	E	<b>2024/08/21</b>	
PHY8501	Modern Characterization Techniques for Materials Physics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8501.htm">http://www.cityu.edu.hk/pg/current/course/PHY8501.htm</a>	Exclusive course: PHY5501 Equivalent course: AP8301	A+ - F	E	<b>2024/08/21</b>	
PHY8502	Advanced Computational Methods	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>	Exclusive courses: AP6172, PHY6502 Equivalent course: AP8172	A+ - F	E	<b>2024/08/21</b>	
PHY8503	Mathematical Methods for Scientists and Engineers	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8503.htm">http://www.cityu.edu.hk/pg/current/course/PHY8503.htm</a>	Precursor: MA2158 Exclusive course: PHY6503	A+ - F	E	<b>2024/08/21</b>	
PHY8523	Advanced Nuclear Medicine Physics	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8523.htm">http://www.cityu.edu.hk/pg/current/course/PHY8523.htm</a>	Exclusive course: PHY6523	A+ - F	E	<b>2024/08/21</b>	
PHY8526	Energy Materials: Physics and Applications	3	R	<a href="http://www.cityu.edu.hk/pg/current/course/PHY8526.htm">http://www.cityu.edu.hk/pg/current/course/PHY8526.htm</a>	Exclusive course: PHY6526	A+ - F	E	<b>2024/08/21</b>	

[Note 1] Please indicate subject level by PG or R (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, A+-F, etc. (P/F = pass or fail; 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).