

**THE UNIVERSITY OF HONG KONG**  
**Master of Science in the field of Physics (2022-23)**  
**Class Timetable**

(as at August 23, 2022)

**Remarks:**

(1) #Course Code: *PHYS* - course offered by the MSc in the field of Physics programme, the Department of Physics  
*SPSC* - course offered by the MSc in the field of Space Science programme, the Department of Physics

(2) After the Course Selection period, in the event of insufficient number of enrollment, it is at the discretion of the Department of Physics to cancel the elective course(s).

Semester 1 (September 1 - December 23, 2022)						
Teaching Period: September 1 - November 30, 2022; Reading Week: October 10 - 15, 2022; Revision Period: December 1 - 7, 2022; Assessment/Exam Period: December 8 - 23, 2022						
Type of Course	#Course Code	Course Title	Days	Class Time	Venue**	Course Coordinator
Casestone	PHYS8971FY (Full Year course)	Capstone Project (9 credits)	N/A	Course offered without class meeting	N/A	Prof Xiaodong CUI
Compulsory	PHYS8201	Basic research methods in physical science (6 credits)	TUE & THU	[Class 1B] Tue 1630 - 1820; Thu 1630 - 1820	TUE (CYP522) THU (LE6)	Prof Hoi Fung CHAU
Compulsory	PHYS8970	Physics seminar (3 credits)	N/A	Course offered without class meeting	N/A	Dr Jason Chun Shing PUN
<b>List A</b>						
Elective	PHYS8150	Computational physics and its contemporary applications (6 credits)	MON & THU	Mon 1230 - 1420; Thu 1230 - 1320	CYPP3	Dr Zi Yang MENG
Elective	PHYS8351	Graduate quantum mechanics (6 credits)	MON & THU	[Class 1B] Mon 1430 - 1520; Thu 1330 - 1520	MB142	Prof Shunqing SHEN
Elective	PHYS8550	Graduate statistical mechanics (6 credits)	WED	[Class 1B] Wed 1330 - 1620	CYP522	Prof Gang CHEN
<b>List B</b>						
Elective	PHYS8654	General relativity (6 credits)	TUE & FRI	[Class 1B] Tue 0930 - 1020; Fri 0930 - 1120	TUE (KB132) FRI (LE9)	Dr Kai Ming LEE
Elective	PHYS8750	Nanophysics (6 credits)	TUE & FRI	[Class 1B] Tue 1030 - 1220; Fri 1130 - 1220	LE6	Dr Dong-Keun KI
Elective	PHYS8850	Topics in particle physics (6 credits)	MON & THU	Mon 1530 - 1720; Thu 1530 - 1620	CYPP3	Dr Yanjun TU
Elective	PHYS8852	Photonics and metamaterials (6 credits)	TUE & FRI	[Class 1B] Tue 1330 - 1520; Fri 1430 - 1520	TUE (MB256) FRI (KKG105)	Prof Shuang ZHANG
Elective	SPSC7007	Data analysis in space science (6 credits)	FRI	Fri 1830 - 2020 (lecture); 2030 - 2120 (tutorial)	KKLG102	Dr Alex Po LEUNG

**\*\*Venue:**

LE5	Room LE5, LG1/F, Library Extension Building, Main Campus
LE6	Room LE6, LG2/F, Library Extension Building, Main Campus
LE9	Room LE9, LG2/F, Library Extension Building, Main Campus
CYPP3	Room CYPP3, LG1/F, Chong Yuet Ming Physics Building, Main Campus
CYP522	Room 522, 5/F, Chong Yuet Ming Physics Building, Main Campus
MB142	Room MB142, 1/F, Main Building, Main Campus
MB256	Room MB256, 2/F, Main Building, Main Campus
KB132	Room KB132, 1/F, Knowles Building, Main Campus
KKLG102	Room 102, LG1/F, K.K. Leung Building, Main Campus
KKLG105	Room 105, LG1/F, K.K. Leung Building, Main Campus

Semester 2 (January 16 - May 23, 2023)						
Teaching Period: January 16 - April 29, 2023; Reading Week: March 6 - 11, 2023; Revision Period: May 1 - 6, 2023; Assessment/Exam Period: May 8 - 23, 2023						
Type of Course	#Course Code	Course Title	Days	Class Time	Venue**	Course Coordinator
<b>List A</b>						
Elective	PHYS8450	Graduate electromagnetic field theory (6 credits)	MON & THU	[Class 2B] Mon 1430 - 1520; Thu 1330 - 1520	MON (TT403) THU (CPD-3.28)	Prof Zidan WANG
Elective	PHYS8701	Physics experimental techniques (6 credits)	WED	[Class 2B] Wed 0930 - 1230	KKLG106	Prof Mao Hai XIE
<b>List B</b>						
Elective	PHYS8352	Quantum information (6 credits)	TUE & FRI	[Class 2B] Tue 1630 - 1820; Fri 1730 - 1820	LE6	Dr Wenyan WANG
Elective	PHYS8551	Topics in solid state physics (6 credits)	TUE & FRI	Tue 1530 - 1620; Fri 1530 - 1720	MB151	Dr Shizhong ZHANG
Elective	PHYS8552	Condensed matter physics (6 credits)	TUE & FRI	[Class 2B] Tue 1330 - 1520; Fri 1430 - 1520	TUE (TBC) FRI (MB151)	Dr Chenjie WANG
Elective	PHYS8656	Topics in astrophysics (6 credits)	MON & THU	Mon 1130 - 1220; Thu 1030 - 1220	CYPP2	Dr Stephen Chi Yung NG
Elective	PHYS8751	Device physics (6 credits)	MON & THU	[Class 2B] Mon 0930 - 1120; Thu 0930 - 1020	MON (TBC) THU (TBC)	Prof Mao Hai XIE
Elective	SPSC7004	Radiation detection and measurement (6 credits)	MON	Mon 1830 - 2020 (lecture); 2030 - 2120 (tutorial)	LE6	Dr David Hoi Fung YU

**\*\*Venue:**

TT403	Room 403, 4/F, T.T. Tsui Building, Main Campus
CPD-3.28	Room CPD-3.28, Central Podium Levels - Three (CPD-3, The Jockey Club Tower), Centennial Campus
KKLG106	Room 106, LG1/F, K.K. Leung Building, Main Campus
LE6	Room LE6, LG2/F, Library Extension Building, Main Campus
MB151	Room MB151, 1/F, Main Building, Main Campus
CYPP2	Room CYPP2, LG1/F, Chong Yuet Ming Physics Building, Main Campus