

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

(as at August 23, 2022)

**Remarks:**

- (1) #Course Code: SPSC - course offered by the MSc in the field of Space Science programme, the Department of Physics  
 PHYS - course offered by the MSc in the field of Physics programme, the Department of Physics  
 ELEC - course offered by the Department of Electrical & Electronic Engineering
- (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   |
| Core  | SPSC7002     | Introduction to Space Weather                           | MON       | 6:30pm - 8:20pm (lecture); 8:30pm - 9:20pm (tutorial)    | KKLG103                  | Prof Binzheng ZHANG  |
| Core  | SPSC7003     | Remote Sensing in Space Science                         | TUE       | 6:30pm - 8:20pm (lecture); 8:30pm - 9:20pm (tutorial)    | KKLG109                  | Dr Derrick H.C. HO   |
| Core  | SPSC7005     | Space Science Entrepreneurship                          | SAT       | 9:30am - 11:20am (lecture); 11:30am - 12:20pm (tutorial) | KKLG102                  | Prof Gregg LI        |
| Core  | SPSC7007     | Data Analysis in Space Science                          | FRI       | 6:30pm - 8:20pm (lecture); 8:30pm - 9:20pm (tutorial)    | KKLG102                  | Dr Alex Po LEUNG     |
| Elective  | SPSC7006     | Small Satellite Design                                  | WED       | 2:30pm - 4:20pm (lecture); 4:30pm - 5:20pm (tutorial)    | Online Learning          | Prof. Huiquan WANG   |
| Elective  | ELEC6026     | Digital Signal Processing                               | WED       | 7:00pm - 9:50pm  | LE1                      | Prof Shing Chow CHAN |
| Elective  | ELEC6100     | Digital Communications                                  | THU       | 7:00pm - 9:20pm  | KB223                    | Dr Y.C. WU           |
| Elective  | PHYS8150     | Computational physics and its contemporary applications | MON & THU | Mon 12:30pm - 2:20pm; Thu 12:30pm - 1:20pm               | CYPP3                    | Dr Zi Yang MENG      |
| Elective  | PHYS8654     | General relativity                                      | TUE & FRI | [Class 1B] Tue 9:30am - 10:20am; Fri 9:30am - 11:20am    | TUE (KB132)<br>FRI (LE9) | Dr Kai Ming LEE      |

**\*\*Venue:**

|         |  |
|---------|--|
| KKLG102 | Room 102, LG1/F, K.K. Leung Building, Main Campus                |
| KKLG103 | Room 103, LG1/F, K.K. Leung Building, Main Campus                |
| KKLG109 | Room 109, LG1/F, K.K. Leung Building, Main Campus                |
| CYPP3   | Room CYPP3, LG1/F, Chong Yuet Ming Physics Building, Main Campus |
| KB132   | Room KB132, 1/F, Knowles Building, Main Campus                   |
| KB223   | Room KB223, 2/F, Knowles Building, Main Campus                   |
| LE1     | Room LE1, LG1/F, Library Extension Building, Main Campus         |
| LE9     | Room LE9, LG2/F, Library Extension 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                     |
| Core   | SPSC7004     | Radiation Detection and Measurement                | MON       | 6:30pm - 8:20pm (lecture); 8:30pm - 9:20pm (tutorial)    | LE6                        | Dr David H F YU                        |
| Core   | SPSC7015     | Introduction to Planetary Science                  | FRI       | 6:30pm - 8:20pm (lecture); 8:30pm - 9:20pm (tutorial)    | KB132                      | Dr Jason C S PUN                       |
| Elective   | SPSC7011     | Introduction to Space Plasma Physics               | TUE       | 2:30pm - 4:20pm (lecture); 4:30pm - 5:20pm (tutorial)    | Online Learning            | Dr Ken Kang Too TSANG                  |
| Elective   | SPSC7014     | Big Data, AI and Machine Learning in Space Science | SAT       | 9:30am - 11:20am (lecture); 11:30am - 12:20pm (tutorial) | MW325                      | Dr Alex Po LEUNG                       |
| Elective   | ELEC6008     | Pattern Recognition and Machine Learning           | WED       | 7:00pm - 9:30pm  | MWT5                       | Prof Shing Chow CHAN and Dr Vincent HO |
| Elective   | PHYS8656     | Topics in astrophysics                             | MON & THU | Mon 11:30am - 12:20pm; Thu 10:30am - 12:20pm             | MON (CYPP2)<br>THU (CYPP2) | Dr Stephen Chi Yung NG                 |
| Capstone Project   | SPSC7031     | Space Science Final Project                        | N/A       | Course offered without class meeting                     | N/A                        | Dr Jason C S PUN                       |

**\*\*Venue:**

|       |  |
|-------|--|
| LE6   | Room LE6, LG2/F, Library Extension Building, Main Campus         |
| KB132 | Room KB132, 1/F, Knowles Building, Main Campus                   |
| MW325 | Room 325, 3/F, Meng Wah Complex, Main Campus                     |
| CYPP2 | Room CYPP2, LG1/F, Chong Yuet Ming Physics Building, Main Campus |
| MWT5  | Room MWT5, 1/F, Meng Wah Complex, Main Campus                    |