

PLANETARY SCIENCES (JANUARY START) (MSc/PgDip/PgCert)

63UF52B1

Duration: 12 months full-time or normally 24 months part-time (MSc)

Content: Candidates shall be required to attend the following designated courses:

FULL TIME ROUTE

Stage 1

Year 1 (Semester starting in January)

PD5506 Getting Started at the University of Aberdeen (0 credit points)
GL5578 Astrobiology, Biogeochemistry and Geobiology for Explorers (15 credit points)
GL5579 Sustainable Deep Space Exploration and Planetary Protection (15 credit points)

Plus two elective courses from:

GL5576 Earth and Planetary Surface and Internal Processes (15 credit points)
GL5577 Space Weather and Radiation (15 credit points)
GL5590 Planetary Geomorphology (15 credit points)

Stage 2

Year 2 (Semester starting in September)

GL5076 Comparative Planetology and the Atmosphere of Earth (15 credit points)
GL5079 Instrumentation, Design and Data for Planetary Exploration (15 credit points)

Plus two elective courses from:

GL5077 Basics of Remote Sensing and Geospatial Analysis (15 credit points)
GL5078 Spectroscopy, Radiative Transfer and Retrieval (15 credit points)
GL5088 Fundamentals of Planetary Remote Sensing and GIS (15 credit points)

Stage 3

GL5980 Planetary Sciences Dissertation (60 credit points)

PART-TIME ROUTE

Year 1 (Semester starting in January)

PD5506 Getting Started at the University of Aberdeen (0 credit points)

Plus one of:

GL5578 Astrobiology, Biogeochemistry and Geobiology for Explorers (15 credit points)
GL5579 Sustainable Deep Space Exploration and Planetary Protection (15 credit points)

Plus one elective course from:

GL5576 Earth and Planetary Surface and Internal Processes (15 credit points)
GL5577 Space Weather and Radiation (15 credit points)
GL5590 Planetary Geomorphology (15 credit points)

Year 2

1st Semester (Semester starting in September)

One of:

GL5076 Comparative Planetology and the Atmosphere of Earth (15 credit points)

GL5079 Instrumentation, Design and Data for Planetary Exploration (15 credit points)

Plus one elective course from:

GL5077 Basics of Remote Sensing and Geospatial Analysis (15 credit points)

GL5078 Spectroscopy, Radiative Transfer and Retrieval (15 credit points)

GL5088 Fundamentals of Planetary Remote Sensing and GIS (15 credit points)

2nd Semester (Semester starting in January)

The remaining course from:

GL5563 Astrobiology, Biogeochemistry and Geobiology for Explorers (15 credit points)

GL5564 Sustainable Deep Space Exploration and Planetary Protection (15 credit points)

Plus one elective course from:

GL5576 Earth and Planetary Surface and Internal Processes (15 credit points)

GL5577 Space Weather and Radiation (15 credit points)

GL5590 Planetary Geomorphology (15 credit points)

Year 3 (Semester starting in September)

The remaining course from:

GL5076 Comparative Planetology and the Atmosphere of Earth (15 credit points)

GL5079 Instrumentation, Design and Data for Planetary Exploration (15 credit points)

Plus one elective course from:

GL5077 Basics of Remote Sensing and Geospatial Analysis (15 credit points)

GL5078 Spectroscopy, Radiative Transfer and Retrieval (15 credit points)

GL5088 Fundamentals of Planetary Remote Sensing and GIS (15 credit points)

Plus

GL5580 Planetary Sciences Dissertation (60 credit points)

Assessment: By coursework, by written examination, or by a combination of these, as prescribed for each course. Please see individual course entries in the *Postgraduate Catalogue of Courses*, or departmental documentation, for further details. The degree of MSc shall not be awarded to a candidate who fails to complete the dissertation at CGS Grade of D3 or above, irrespective of their performance in other courses.

