

Addendum to the Programme Specification

4894 BSc (Hons) Geophysical Sciences

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification from the year you started your programme.

[Programme Specification for entry in 2020-21](#)

[Programme Specification for entry in 2019-20](#)

[Programme Specification for entry in 2018-19](#)

[Programme Specification for entry in 2017-18](#)

University level information

In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

Programme Information

In light of Covid-19, there will be a change to how some modules will be organised. Field and lab work remain a mandatory part of the programme, but will be offered in line with current social distancing and local and international guidelines.

Programme Structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

4894 BSc (Hons) Geophysical Sciences Programme Structure

Part 1			
Semester 1		Semester 2	
Compulsory Modules (must take)	ECTS (CATS)	Compulsory Modules (must take)	ECTS (CATS)
SOES1001 Earth Materials	7.5(15)	SOES1002 Dynamic Earth	7.5(15)
SOES1008 Earth and Ocean Science	7.5(15)	MATH1009 Math Methods for Scientists 1b	7.5(15)
MATH1008 Math Methods for Scientists 1a	7.5(15)	PHYS1011 Wave, Light and Quanta	5(10)
PHYS1022 Electricity and Magnetism	5(10)	PHYS1013 Energy and Matter	5(10)
SOES1014 Key Skills for Geoscientists			7.5(15)

Part 2			
Semester 1		Semester 2	
Compulsory Modules (must take)	ECTS (CATS)	Compulsory Modules (must take)	ECTS (CATS)
SOES2037 Structural Geology and GIS	7.5(15)		
SOES2038 Exploration Geophysics & Remote Sensing	7.5(15)		
SOES2035 Physics, Fieldwork and Key Skills for Geophysicists			
Optional Modules Choose 30 ECTS in total across both semesters	ECTS (CATS)	Optional Modules Choose 30 ECTS in total across both semesters	ECTS (CATS)
MATH2015 Mathematical Methods for Scientists	7.5(15)	ENVS2006 Environmental Impact Assessment	7.5(15)
PHYS2006 Classical Mechanics	7.5(15)	SOES2004 Igneous and Metamorphic Petrology	7.5(15)
SOES2003 Geohazards and Earth Resources	7.5(15)	SOES2010 Physical Oceanography II	7.5(15)
SOES2018 Geochemistry	7.5(15)	SOES2013 Sedimentary Systems and Processes	7.5(15)
SOES2024 Coastal and Estuarine Oceanography I	7.5(15)		

Part 3			
Semester 1		Semester 2	
Compulsory Modules (must take)	ECTS (CATS)	Compulsory Modules (must take)	ECTS (CATS)
SOES6037 Geodynamics & Solid Earth Geophysics	7.5(15)	SOES3021 Geophysical Field Methods	7.5(15)
SOES6004 Applied & Marine Geophysics	7.5(15)	SOES3032 Global Tectonics	7.5(15)
SOES3050 Independent Research Project Geophysics			15(30)
Optional Modules Choose 15 ECTS in total across both semesters	ECTS (CATS)	Optional Modules Choose 15 ECTS in total across both semesters	ECTS (CATS)
SOES3010 Large Scale Ocean Processes and Climate	7.5(15)	SOES3029 Seafloor Exploration and Surveying	7.5(15)
SOES3006 The Evolving Earth	7.5(15)	SOES3002 Petroleum Geology and Mineral Resources	7.5(15)
SOES3015 Palaeoclimate Change	7.5(15)		
SOES3042 Computational Data Analysis	7.5(15)		
SOES3008 Environmental and Engineering Geology	7.5(15)		
SOES3020 Volcanic and Mantle Processes			7.5(15)