Durham University
Postgraduate Modules Online
www.durham.ac.uk/postgraduate.modules

These programme regulations should be read in conjunction with the University's core regulations for postgraduate programmes, and the marking and classification conventions for postgraduate programmes.

MSc Scientific Computing and Data Analysis (Earth and Environmental Sciences) (G5T109)

[First intake in 2021/22]

1. Location: Durham City
2. Duration: 12 months (full-time)

Programme structure

3. All candidates shall study and be assessed in the following modules:

		Credit value
Core Ia: Introduction to Machine Learning and Statistics ~	PHYS51915	15
Core Ib: Introduction to Scientific and High Performance Computing ~	PHYS52015	15
Professional Skills	COMP51915	15
Project ~	COMP52060	60

4. Candidates on the Earth and Environmental Sciences Stream shall also study and be assessed in the following modules:

		Credit value
Earth and Environmental Sciences	GEOL50130	30

5. Candidates shall also study and be assessed in modules to the value of 45 credits from List A:

List A:		**Credit value**
Advanced Statistical and Machine Learning: Foundations and Unsupervised Learning	MATH52015	15
Advanced Statistics and Machine Learning: Regression and Classification	MATH52115	15
Data Acquisition and Image Processing	PHYS52115	15
Performance Engineering and Advanced Algorithms	COMP52315	15
Continuous and Discrete Systems	COMP52215	15

Assessment, progression and award

6. Modules Marked with a ~ must be passed at 50% or above; a mark of 40-49% cannot be compensated.

7. If a candidate fails a module he/she may be given the opportunity to resit the relevant examination(s) before the end of the academic year at a time to be determined by the Department.

8. There is no resit opportunity for the project (COMP52060).