

Programme Regulations: 2021/22

Programme Title: Master of Research in Geospatial Data Science – Code: 4881F

Postgraduate Certificate in Geospatial Data Science – Code: 3178F

Notes

- (i) *These programme regulations should be read in conjunction with the University's Research Degree Regulations and Taught Programme Regulations.*
- (ii) *A compulsory module is a module which a student is required to study.*
- (iii) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (iv) *As a Research Masters degree, the MRes programme reflects specific research themes and aims incorporating research preparation. The programme comprises at least 180 credits of which at least 80 credits will be dedicated to the research project/dissertation.*

1. Programme Structure

- (a) The programmes are available for study in full-time mode only.
- (b) The period of study for full-time mode shall be 1 year for the Master of Research and eight months for the Postgraduate Certificate starting in September.
- (c) The Master of Research programme comprises modules to a credit value of 180. The Postgraduate Certificate programme comprises modules to a credit value of 60. Modules will be delivered at Newcastle University (NU) and the University of Nottingham (UNot).
- (d) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode	Offered by
CEG8716	Geospatial Informatics with Project	10	10			7	Linear	NU
CEG8720	Understanding Geospatial Data: Social, Legal and Ethical Perspectives	10		10		7	Block	NU
CSC8101	Big Data Analytics	10		10		7	Block	NU
CSC8626	Data Visualization	10	10			7	Block	NU
CSC8631	Data Management and Exploratory Data Analysis	10	10			7	Block	NU
CSC8635	Machine Learning with Project	10	10			7	Block	NU
EXT8021	Geospatial Sensors Platforms and Data	10	10			7	Block	UNot
EXT8022	Group Project in Geospatial Systems	20		20		7	Block	UNot
MAS8403	Statistical Foundations of Data Science	10	10			7	Block	NU

(e) Master of Research candidates shall take the following compulsory module:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Mode</i>	<i>Offered by</i>
CEG8717	Dissertation in Geospatial Data Science	80		20	60	7	Block	NU

With the approval of the Degree Programme Director alternative modules to those listed above may be selected

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

3. Progression

These programmes provide the initial taught training year for the EPSRC Centre for Geospatial Systems. Students will initially register for the Master of Research programme degree. A candidate's progress shall be reviewed by the Board of Examiners on completion of the first year's taught modules and no later than 10 months after the programme has commenced. In order to progress onto the PhD the candidate must (i), have obtained a weighted average mark for the taught component of at least 60; (ii) have failed no more than 20 credits. A candidate's subsequent progress shall be monitored annually by an independent progress panel in a manner which is consistent with the University's Code of Practice for Research Degree Programmes.

Exit Award

Candidates who fail to meet the progression criteria will remain registered on the MRes degree and will be assessed in accordance with University regulations for MRes degrees. In order to be allowed to undertake the MRes dissertation students must have (i) obtained a weighted average on the taught component of at least 50; (ii) have failed no more than 20 credits.