

ENMPG11 Geomatics - Module Workbook

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Welcome!

Welcome to the ENMPG11 Geomatics module workbook! This module provides an introduction to the basic concepts and principles of Geomatics, i.e. how to use Geographic Information Systems (GIS) and Earth Observation (EO) to perform spatial data analysis and visualisation. As Geomatics is best taught through hands-on practice, this module is based on the flipped classroom method, where you will be assigned videos and/or readings on a weekly basis, and then we will meet twice a week for computer-based practicals. In each practical class you will be taken through a number of exercises that will teach you fundamental skills in GIS and EO.

Use the items on the left to navigate through the sections of the workbook, and click on the arrows at the left and right edges of the main page are to page forward/backward. If you are viewing the book on a small screen, the navigation buttons will be on the bottom instead.

Chapter 1

Module Outline and General Info

1.1 Staff and Communication:

Module Coordinator: Thiago Silva C.3B144E thiago.sf.silva@stir.ac.uk
Tutor/demonstrator: Jazz Rhoades

Please follow the guidelines below for module-related communication:

- Any questions or comments regarding module content and assessments should be posted on the **Discussion** tab on CANVAS, so that answers are visible to everyone. **Questions of this nature sent via e-mail will not be replied to.**
- Requests for extension on assignments should be submitted directly through CANVAS without the need to send a prior e-mail to the module coordinator.
- Questions regarding personal and/or sensitive issues related to the module should be sent directly by e-mail to the module coordinator. Please add the keyword *ENMPG11* to your e-mail subject.

1.2 About the Module

Geomatics is defined in the ISO/TC 211 standards as the “*discipline concerned with the collection, distribution, storage, analysis, processing, presentation of*