



Computational Social Science | SOU44081

Year	Senior Sophister
ECTS Credits	10
Contact Hours	22
Pre-requisite	
Semester	1
Module Leader & Lecturer	Prof. Taha Yasseri
Contact Email	TBC

Module Outline:

This module introduces and discusses key principles and concepts in computational social science (CSS). It covers the historical background and the most recent developments in and applications of CSS. The course provides an overview of four main areas in CSS: big data-driven observational studies, social network analysis, machine learning and data science approaches, and social simulation and modelling. This module offers a discussion on CSS methodology and design by analysing various recent research examples. Where possible, topics will be enhanced with empirical examples and applications from industry, NGOs, and the public sector.

Module Learning Objectives:

- TBC

Assessment:

- 50% Weekly assignments
- 50% End-of-term essay

Recommended Reading List:

- TBC