

COURSE DETAIL

INTRO TO COMPUTATIONAL SOCIAL SCIENCE

Country

Ireland

Host Institution

University College Dublin

Program(s)

University College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

105

UCEAP Course Suffix**UCEAP Official Title**

INTRO TO COMPUTATIONAL SOCIAL SCIENCE

UCEAP Transcript Title

COMPUTATION SOC SCI

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces and discusses the key principles and concepts in computational social science (CSS). Some of the main approaches in the field are introduced beginning with a historical background to the main developments, up to and including an introduction to the most recent developments and applications of the methodological approaches discussed. In particular, this course provides the student with an overview of four main areas in the CSS field: automated social information extraction, social network analysis, social complexity theory, and social simulation modeling. Where possible the discussion of topics in this course are enhanced by presentation and discussion of some empirical examples and applications from industry, NGOs, and the public sector.

Language(s) of Instruction

English

Host Institution Course Number

CSOC10010

Host Institution Course Title

INTRO TO COMPUTATIONAL SOCIAL SCIENCE

Host Institution Campus

UC Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computational Social Science

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