<h1 class="pageTitle">POL50050 Quantitative Methods II</h1>
<h2>Academic Year 2019/2020</h2>

Fundamentals of multiple regression analysis, including issues such as heteroscedasticity, autocorrelation, specification. In the second half, attention will be paid to estimating and presenting limited dependent variable models and multilevel and panel data. Roughly covers the curriculum of an introductory econometrics course, but with emphasis on limited dependent variable models rather than time series analysis for the more advanced components.

Curricular information is subject to change

What will I learn?

Learning Outcomes:
- Good understanding of linear regression, its underlying assumptions, and basic diagnostics
- Good understanding of maximum likelihood estimation
- Good practical understanding of regression models for limited dependent variable
- Good practical understanding of using R for statistical analysis
- Basic understanding of time series and panel data methods
- Basic understanding of causal inference techniques
- Ability to present and interpret statistical results for academic publications

How will I learn?

Student Effort Hours:

Student Effort Type	Hours
Lectures	18
Computer Aided Lab	6
Autonomous Student Learning	200
Total	**224**

Am I eligible to take this module?

Requirements, Exclusions and Recommendations

Learning Requirements:

This course assumes prior training in basic statistics, including:
- hypothesis tests, p-values, sampling distribution
- correlation, covariance, linear regression
- basic data file management

Module Requisites and Incompatibles

Not applicable to this module.

How will I be assessed?

Assessment Strategy

Description	Timing	Open Book Exam	Component Scale	Must Pass Component	% of Final Grade
Essay: Course paper	Coursework (End of Trimester)	n/a	Graded	No	50
Continuous Assessment: Continuous assessment grade	Throughout the Trimester	n/a	Graded	No	50

Carry forward of passed components
Yes

What happens if I fail?

Resit In	Terminal Exam
Autumn	No

Assessment feedback

Feedback Strategy/Strategies
* Feedback individually to students, post-assessment

How will my Feedback be Delivered?
Feedback on homework

Reading List

<nav class="white-box no-left-arrow zero-top-margin">
<h1 class="printOnly"><img src="https://www.ucd.ie/t4cms/ucdcollegesandschools_logo.png"> UCD Course Search
Quantitative Methods II (POL50050) </h1><h3 class="printOnly">Academic Year 2019/2020</h3> The information contained in this document is, to the best of our knowledge, true and accurate at the time of publication, and is solely for informational purposes. University College Dublin accepts no liability for any loss or damage howsoever arising as a result of use or reliance on this information.
<h4 class="noPrint">Quantitative Methods II (POL50050)</h4>
<dl>
<dt>Subject:</dt>
<dd>Politics</dd>
<dt>College:</dt>
<dd>Social Sciences & Law</dd>
<dt>School:</dt>
<dd>Politics & Int Relations</dd>
<dt>Level:</dt>
<dd>5 (Doctoral)</dd>
<dt>Credits:</dt>
<dd>10.0</dd>

<dt>Trimester:</dt>
<dd>Spring</dd>
<dt>Module Coordinator:</dt>
<dd>Dr Stephanie Dornschneider-Elkink</dd>
<dt>Mode of Delivery:</dt>
<dd>Face-to-Face</dd>
<dt>Internship Module:</dt><dd>No</dd>

<dt>How will I be graded?</dt>
<dd>Letter grades </dd>

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Page</button>
(Google Chrome is recommended when printing this page)

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