

Course Title: **Applied Econometrics: Causal Inference for Social Impact**

Course Code: **ECON722**

Descriptor Start Date: **01/01/2022**

Descriptor End Date: **27/02/2022**

POINTS: **15.00**

LEVEL: **7**

PREREQUISITE/S: **ECON622**

COREQUISITE/S: **None**

RESTRICTION/S: **None**

LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

Total learning hours: 150

PRESCRIPTOR

An applications-driven introduction to a variety of research designs and econometric methods for determining causal inference, including randomised experiments, matching methods, regression discontinuity designs and difference-in-differences. Each research design is shown to be motivated by and illustrated with applications. Applications address diverse agents and social impacts.

LEARNING OUTCOMES

1. Apply a range of econometric policy evaluation techniques.
2. Formulate a research question and corresponding econometric research design.
3. Critically examine the strengths and weaknesses of different empirical strategies.
4. Plan and conduct an empirical analysis of a research topic using standard econometric policy evaluation methods.

CONTENT

The counterfactual model;
Randomized trials;
Instrumental variables;
Regression discontinuity designs;
Difference-in-differences;
Synthetic Control Method.

Disclaimer: Course descriptors may be amended between teaching periods/semesters

LEARNING & TEACHING STRATEGIES

An appropriate range of strategies that may include lectures, workshops & online learning.

ASSESSMENT PLAN

Assessment Event	Weighting %	Learning Outcomes
Online quiz (Individual)	10.00	-
Report (Individual)	30.00	-
Group presentation (Group)	20.00	-
Empirical project (Individual)	40.00	-

Grade Map

MAP1

A+ A A- Pass with Distinction
B+ B B- Pass with Merit
C+ C C- Pass
D Fail

Overall requirement/s to pass the course:

LEARNING RESOURCES

Details of all learning resources (including journals, databases, websites etc) are available on Canvas. Required Text(s): If there is a required text, details are available by searching the University Bookshop's website: www.ubs.co.nz

For further information, contact: Te Ara Pakihi, Te Ohanga Me Te Ture - Faculty of Business, Economics and Law

Principal Programme: AK3693, Bachelor of Business

Related Programme/s: AK1006 DipBus, AK1007 CertBusSt, AK1315 BBus/BCS, AK3001 BBus/BSc, AK3002 BA/Bus, AK3003 BBus/BCIS, AK3004 BBus/BIHM, AK3726 BBus/BHSc, AK3709 GradDipBus, AK3753 GradCertBus

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