

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

Course Code: **ECON722**

Descriptor Start Date: **01/01/2025**

Descriptor End Date: **31/12/2025**

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 outline its social relevance.
3. Critically examine the strengths and weaknesses of different empirical research designs.
4. Collaborate to conduct an empirical analysis of a research topic with social relevance, using standard econometric methods for causal inference.

## CONTENT

The counterfactual model;  
Randomized trials;  
Matching Methods;  
Regression discontinuity designs (including I.V.);  
Difference-in-differences.

**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
Problem Sets (Individual)	55.00	1,2,3
In-class Test (Individual)	15.00	1,2,3
Case Study (Group)	30.00	1,2,3,4

### 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](http://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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