



The University of Auckland
NEW ZEALAND



UNIVERSITY OF
CANTERBURY

Te Whare Wānanga o Waitaha
CHRISTCHURCH NEW ZEALAND

Auckland/Canterbury University Transportation Postgraduate Programmes

Glen Koorey & Alan Nicholson
University of Canterbury

Roger Dunn
University of Auckland

IPENZ Trptn Conference, Christchurch, Mar 2010

Programme History

- Programme started in 2002 academic year
- Financial assistance from Transfund NZ, the Road Safety Trust, and the LTSA
 - Incl. funded staff at each University
 - Initial funding agreement to 2006 (5 yrs)
 - LTNZ/NZTA funding extended to 2011



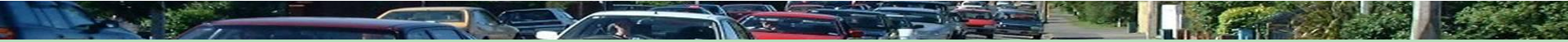
NZ TRANSPORT AGENCY
WAKA KOTAHI

Degree Offerings

(Requirements vary slightly by University)

- Auckland programmes
 - Masters Degree (research): ME(Civil)
 - Masters Degree (courses/research): MEngSt(Tr)
 - Graduate Diploma (courses): GradDipEng(Tr)
- Canterbury programmes
 - Masters Degree (research/courses): MET
 - Masters Degree (courses): MEngSt
 - Postgrad Certificate (courses): PGCertEng(Trpt)
- Can also do 'Certificate of Proficiency' paper
 - Try a course before committing to Programme

Typical Students

- 
1. Full-time graduates from BE/other degree
 - Extending undergrad knowledge before work
 2. International students (overseas degree)
 - Getting trpt qual'fcns for returning home
 - Getting NZ training before working here
 3. Part-time students from Industry
 - Acquiring additional formal qualifications
 - Gaining CPD from one-off courses

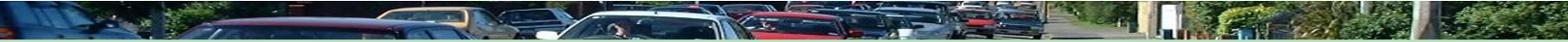
Course Requirements

- Masters: 12-18 months of full-time study
OR Up to 4 years of part-time study
 - Usually involves 4 to 8 courses
 - Research project or thesis
- Diploma (Akld), MEngSt/PGCert (Canty):
 - Similar time frames to Masters or less
 - Usually involves courses only (no research)
 - Opportunity to “upgrade” to research degree subject to good grades
- Also PhD: 3-4 yrs full-time

Part-Time Study

- Many full-time transport practitioners enrolling in programme
 - Often graduates with a few years experience
 - Typically take one paper per semester (½ yr)
 - Can be from outside Christchurch or Auckland
- Employers typically very supportive
 - Support via fees, travel costs, study resources
 - Students can complete papers while remaining in full-time employment
 - Can do projects/research related to their work

Part-Time Graduates



Distance Learning

- Most courses are taught in 'block mode'
 - Attending two 3-day lecture blocks
 - Background reading/review away from blocks
 - Work on assignments/projects at home
 - Final examination at home venue
- Some Auck courses in 'extended mode'
 - One 3-hr afternoon session per week
- Additional distance support
 - Online teaching materials & feedback
 - Long-distance library service

Online Teaching Tools



You are logged in as Glen Koorey: Student (Return to my normal role)

Course Menu

- ENTR617X**
- Traffic Flow Theory
- Traffic Survey Planning and Design
- Speed and Local Area Traffic Management
- Intelligent Transport Systems
- Intersection Planning & Design
- Miscellaneous Information

Show all

- Participants
- Gradebook

Activities

- Forums
- Resources

Search Forums

[Advanced search?](#)

Administration

- Grades
- Profile

My courses

- ENCI262S1 - Survey, Transport and GIS
- ENCI408S2 - Design Project in

ENTR617X - Traffic Engineering and Design

- [Course Outline & Timetable \(revised\)](#)
- [Sample Exam Questions for 2009](#)

News

Sample exam questions for ENTR617
by [Glen Koorey](#) - Friday, 9 October 2009, 05:21 PM

Hi everyone,

I hope the study is going well; I look forward to seeing what you have come up with for your intersection assignment (due next Tuesday).

I have now posted on Learn a set of sample exam questions for you to review. Hopefully they will give you a reasonable idea of what to expect in the final exam. I encourage you to have a go at working through them (ideally in the amount of time roughly allotted to each one!) to see if you have understood the key principles of each topic and know how to present them clearly to us.

If you have any problems trying to work these out (after having consulted your notes, talked to colleagues and made a decent effort to tackle them) then contact the relevant lecturer (contact me for Axel's material).

Thanks to those out-of-towners who have supplied information about your exam supervisors. A reminder to any still outstanding to send me some details ASAP.

Cheers
Glen

ENTR617 tidy-up
by [Glen Koorey](#) - Thursday, 24 September 2009, 05:09 PM

Hi everyone, I hope your work is going well on finishing off your traffic survey assignment (due next Monday Sep 28th); maybe you've even had a chance to look at the intersection design one! (due Tue Oct 13th)

I have now posted on Learn all of the presentations and notes from the second block sessions. Please let me know if anything

Latest News

- 9 Oct, 17:21
Glen Koorey
Sample exam questions for ENTR617 [more...](#)
- 24 Sep, 17:09
Glen Koorey
ENTR617 tidy-up [more...](#)
- 28 Aug, 16:36
Glen Koorey
ENTR617 Second block [more...](#)
- 18 Aug, 17:43
Glen Koorey
ENTR617 course material [more...](#)
[Older topics ...](#)

Upcoming Events

There are no upcoming events

[Go to calendar...](#)
[New Event...](#)

Calendar

March 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

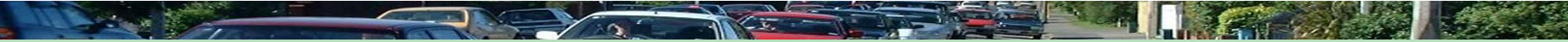
2010 Courses – Semester 1 (Feb-Jun)

- Auckland
 - CIVIL660: Traffic Engineering and Planning
 - CIVIL765: Infrastructure Asset Management
 - CIVIL769: Highway Geometric Design
 - CIVIL770: Transport Systems Economics

- Canterbury
 - ENTR401: Fundamentals of Transport Eng
 - ENTR602: Accident Reduction and Prevention
 - ENTR611: Planning and Managing Transport
 - ENTR612: Traffic Management Policies

Can mix courses between universities

2010 Courses – Semester 2 (Jul-Oct)

- 
- Auckland
 - CIVIL661: Highway & Pavement Engineering
 - CIVIL761: Planning & Design of Trpt Facilities
 - CIVIL771: Planning and Managing Transport
 - CIVIL772: Public Trpt - Planning & Operations

 - Canterbury
 - ENTR603: Advanced Pavement Design
 - ENTR614: Sustainable Transport Planning
 - ENTR615: Transport Network Modelling

Can also do relevant papers elsewhere

Teaching Staff – Auckland

▪ Assoc. Prof. Roger Dunn



▪ Prof Avi Ceder



▪ Dr Doug Wilson



▪ Dr Theuns Henning



▪ Dr Prakash Ranjitkar



Teaching Staff – Canterbury

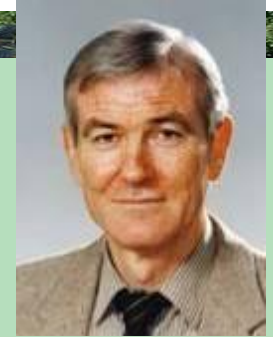


- Dr Mofreh Saleh



- Dr Glen Koorey

- Prof. Alan Nicholson



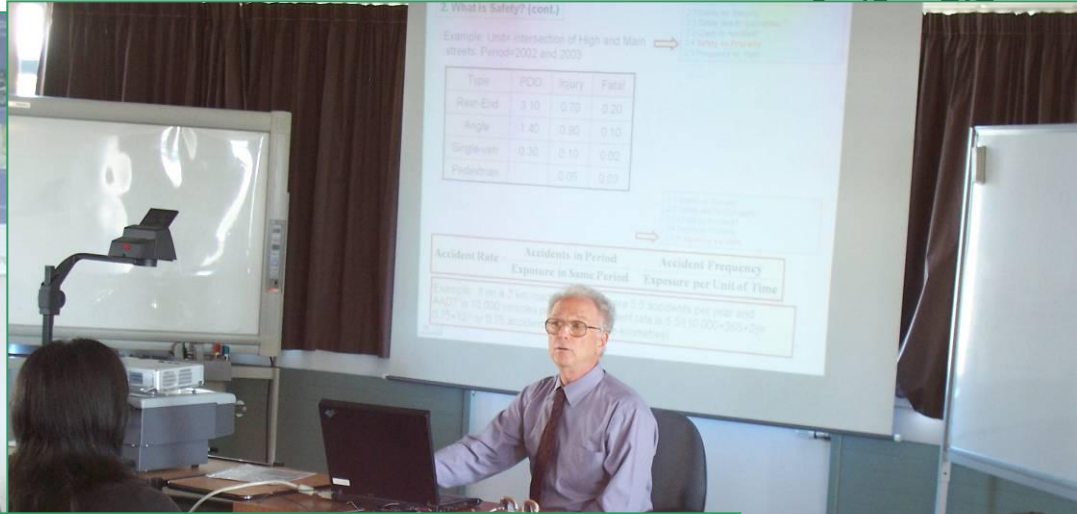
- Dr Andre Dantas



- Dr Kenneth Kuhn



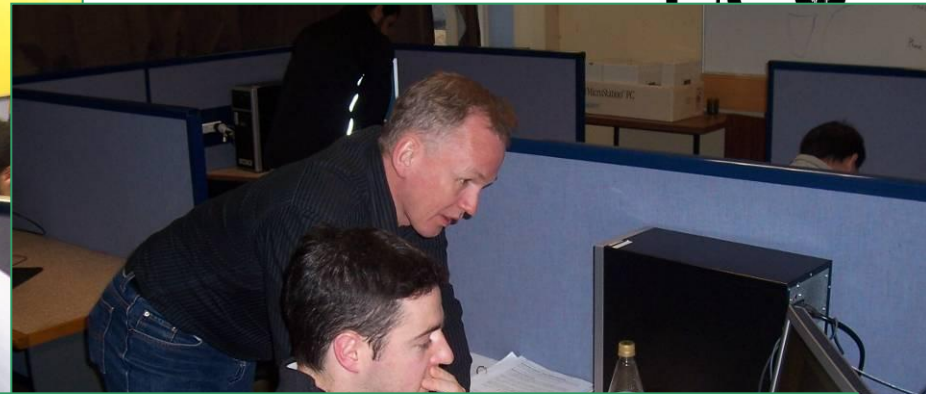
Overseas Visitors



Industry Visitors (Canty)



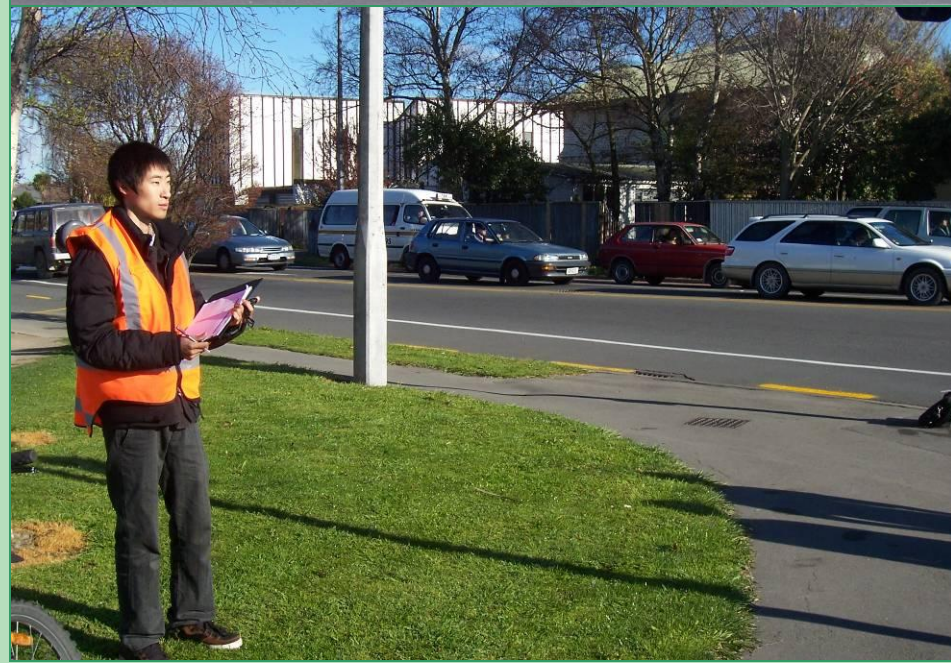
Industry Visitors (Canty)



Data Visualisation Laboratory (Akld)



Fieldwork Studies (Canty)



Enrolment Requirements

- Standard requirement is BE degree
 - Candidates with other relevant degrees or equivalent qualification are OK
e.g. Geography, Planning, Psychology, etc
- Also appropriate non-degree candidates from the industry, e.g. experienced NZCE
 - Often start at Diploma/Cert level
- Need to make formal application to Dept
 - Applications for 2011 by end of Jan
 - Can start mid-year too (by end of May)

Funding Assistance

- Fees typically ~\$700-900 per course
 - More for non-NZ Citizens/Perm.Residents
- Some funding support available
 - Uni Scholarships
 - IPENZ-TG Study Award
 - FRST Technology Fellowships (TIF)
 - Industry research projects (NZTA, FRST, etc)
- Many students sponsored by employers
 - Fees, time off, resources

Key Messages to Take Away

- You don't have to have an Eng'nrg degree
 - Or possibly any degree
- You don't have to be in Akld/Chch
- You don't have to stop work to study
- You don't have to commit to a qualification straight away
 - Or you could change later
- You don't have to do research

Talk to us about your options

Further Information

- University of Auckland

Roger Dunn, Director of Transportation Eng

- *rcm.dunn@auckland.ac.nz*

www.cee.auckland.ac.nz/transportation/

- University of Canterbury

Alan Nicholson, Programme Director

- *alan.nicholson@canterbury.ac.nz*

www.met.canterbury.ac.nz

See our exhibitor stand for more details

Thank You!

- Any Questions?

