

ENGR/COMP/CGRA/ELCO 489/589

What to Expect?

CAPITAL THINKING.
GLOBALLY MINDED.
MAI TE IHO KI TE PAE



What is a 489 project?

- Individual project done under supervision
- Projects have a flavour of 'Engineering' and 'Science'
- Some are offered from (or in partnership with) Industry
- Has a specific timeline and time (300 Hours)

CAPITAL THINKING.
GLOBALLY MINDED.
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What type of projects?

- ENGR489 – Design, Implement, Evaluate a solution to a complex engineering problem
- COMP/CGRA/ELCO489 - Design, Implement, Evaluate a solution to a complex research problem
- Confused?

ENGR Vs Science

- ENGR 4th year is Undergraduate year
- COMP/CGRA/ELCO 4th year is a post-graduate year
- ENGR:
 - Expected to solve a real-world problem using technical techniques
 - Emphasis on Design and providing evidence of its effectiveness through an Evaluation
 - Demonstrate craftsmanship in design and implementation
 - Literature survey is mainly from available systems in the market

COMP/CGRA/ELCO

- *Research* is the Keyword
- Plan and Implement an experimental protocol
- Collect, Analyse and Interpret the results
- Expected to make a novel contribution to academic research literature – not compulsory
- Demonstrate Mathematical rigour and perform critical observation through experimentation
- Literature survey is mainly from research papers and journals

Timeline (Not final)

Week 1	Students rank projects using project allocation system.
Week 2	Project allocation performed by course coordinator.
Week 3	Students meet with supervisor(s) and begin work.
Week 4 (end of)	Students submit project proposals in the form of a report
week 5	Work continues; students meet regularly with supervisors.
...	...
Mid-Year Break	Work continues around examinations.
	Students meet with supervisors where possible.
Last week of Mid-Year Break	Students submit preliminary report. Worth 20% of final grade.
Week 1	Students give presentation on preliminary report
...	Work continues; students meet regularly with supervisors.
Week 7 (end of)	Students submit a draft of their final report.
Week 9	ENGR489 students submit a project snapshot. Not assessed at this point.
Week 12 (end of)	Students submit final report. Students submit presentation slides.
Exam Period (end of)	Students present their work during conference day.

- Preliminary Report will not be Compulsory for COMP

Project Allocation

- You choose and rank
- Supervisor chooses and ranks
- All rankings are private – No offending a staff member
- Supervisor ranking complete by Sunday
- Will run the allocation on Monday
- Initial results by Tuesday Morning

Supervision

- Meet you regularly
- Provide you with guidance (academic and scholarly)
- Assess your progress and give you feedback
- Guiding to University facilities
- Complying with Univ. regulations

Meeting

- I would expect you to meet with your supervisor every week (regularly) for a minimum of 30 minutes (working minimum).
- For industry projects, I expect a weekly meeting with your industry supervisor. VUW supervisor's choice to attend the meeting and not compulsory.

Supervisor Guidance

- Standards required for this project
- Planning your research
- Skills you need to achieve
- Research Resources
- Methodology
- Literature review support
- Ethical, Legal, Professional, H&S issues
- Expectations of examiners

Your Responsibilities

- Obligation to devote around 10 hours a week
- Including mid trimester and year breaks
- Attended supervisory meetings
- Provide all required documentation to supervisors on time (if you want their prompt feedback)
- Complete H&S and Ethics (if needed) documentation
- Remember – 30 points; weighs more in your honours calculation than other 4XX courses

What's Next?

- Project Allocations by Wednesday
- Arrange a meeting time with your supervisor upon allocation
- Work out if Ethics is needed – takes long time
- Complete H&S forms on Wiki
 - ECEN/ELCO – Keep them in your RED folder and on desk
 - SWEN/COMP/CGRA – Keep them with you
- Proposal Due to your supervisor – 27th March 5pm

489 Lectures

- Not regular
- Will let you know when there will be one
- You can also let me know when you want one – issues, etc.
- Next one will be on Ethics (hopefully Week 3)