

# Capstone choices: MIE490/491, APS490

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Dionne Aleman: MIE490 Capstone Coordinator

Kamran Behdinan: MIE491/APS490 Capstone Coordinator

Matthesa Gregg: Capstone Programs Assistant



# Calendar description

An experience in engineering practice through a significant design project whereby student teams meet specific Client needs through a creative, iterative, and open-ended design process.

The project must include the following:

1. The application of disciplinary knowledge and skills to conduct engineering analysis and design.
2. The demonstration of engineering judgment in integrating economic, health, safety, environmental, social or other pertinent interdisciplinary factors.
3. Elements of teamwork, project management and Client interaction.
4. A demonstration of proof of the design concept.



# Unusual characteristics

- No new content (i.e., no class meetings)
- All work completed in a team
- Long periods of independent work
- Regular meetings with Supervisor
- Industry client plays an active role
- Emphasis on technical and non-technical graduate attributes (including communication)



# Capstone project variety

All projects fit into one of these categories:

- Standard capstone project
- Student-sourced capstone project
- Multi-disciplinary capstone project
- International capstone project



# Standard projects

- Sourced by Capstone Coordinators and Faculty Supervisors
- Supervised by a single MIE faculty member
- Matched to students in mid-August



# Student-sourced projects

- Sourced by students through PEY, ESIP employer or other industry contact
- Must be submitted by **June 15, 2018**
- Supervised by a single MIE faculty member
- Can be matched to students before August
- Sourcing student may form his/her own team and request a Supervisor



# Multi-disciplinary projects (APS490)

- Sourced by MCP Coordinator (Kamran Behdinan) and capstone coordinators across faculty
- Require 3-5 team members from at least two disciplines
- Supervised by a single APSC faculty member with disciplinary subject-matter experts
- Have an accelerated self-selection and matching process
- May require a competitive interview



# International projects

- Sourced by International Capstone coordinator (Kamran Behdinan)
- University partners from Tsinghua, SJTU, and BUAA Universities
- Require a competitive interview
- Follow a modified deliverable schedule
- Check your U of T e-mail regularly, starting in mid-June





# Your action items

- Multi-disciplinary projects: Submit your statement of interest by **Mar 16**.
- Student-sourced projects: Approach your industry contact using materials provided. Submit by **Jun 15**.
- International projects: Submit your name by **Mar 16**.
- Otherwise, relax until mid-August. Or, form your team early.

## FORM YOUR TEAM EARLY!

Your friends may have already committed themselves to other teams, and you may not like your randomly-assigned teammates. Teams formed earlier have better shots at their top projects, too.

**Note:** Students on record as seeking a PEY position will not be assigned to a capstone project.



# Information and contact

## Blackboard Capstone Organization site

- Portal: Community: Browse Blackboard Catalog:  
Enter “MIE 490” or “MIE 491” or “APS490”

## Capstone Program Assistants

- MIE 490/491: Matthesa Gregg (capstone@mie)
- APS490: Donna Liu (mcp@mie)

## Capstone Coordinators

- MIE 490 (IND): Prof. Aleman (aleman@mie)
- MIE491/APS490 (MEC/MCP): Prof. Behdinan (behdinan@mie)



# Thanks!

# Questions?

Email: [capstone@mie.utoronto.ca](mailto:capstone@mie.utoronto.ca)



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