

For the courses listed below, the Department of Mechanical and Aerospace Engineering is seeking qualified contract instructors with excellent communication and presentation skills; strong teaching skills established through successful teaching of engineering courses in an accredited Canadian university engineering program; and a high level of up-to-date expertise in the subject of the course, established through industrial experience and/or research in academia or government labs. Candidates must have a degree in a relevant field of engineering. A P.Eng. license in Canada is required for the instruction of most undergraduate courses.

Applications will be accepted until February 23, 2026. Applications with a covering letter and curriculum vitae including educational background, employment history, and related work experience, should be sent via email to the hiring committee at irene.helder@carleton.ca

The University may require that all or part of these courses be delivered remotely, including online.

Carleton University is strongly committed to fostering diversity within its community as a source of excellence, cultural enrichment and social strength. We welcome those who would contribute to the further diversification of our University including but not limited to women, persons with disabilities, visible minorities, Aboriginal peoples, and persons of any sexual orientation or gender identity.

Summer 2026 (Early Summer Term)

MAAE 2300 [0.5 credit]

Fluid Mechanics I

Fluid properties. Units. Kinematics, dynamics of fluid motion: concepts of streamline, control volume, steady and one-dimensional flows; continuity, Euler, Bernoulli, steady flow energy, momentum, moment of momentum equations; applications. Fluid statics; pressure distribution in fluid at rest; hydrostatic forces on plane and curved surfaces; buoyancy.

Includes: Experiential Learning Activity

Prerequisite(s): Second-year status in Engineering.

Lectures six hours a week, problem analysis and laboratories three hours a week.