

Fire Safety Graduate Courses

COURSE LISTING 2024

January 22 – 26, 2024	ME 671 - Fire Dynamics, Prof. E. Weckman, Waterloo
May 6 – 10, 2024	ME 770- Fire Testing, Prof. D. Torvi, Saskatchewan
June 24-28, 2024	ME 770 - Fire Risk, Profs G. Jomaas, Slovenia; K. Nishijima, Kyoto
August 12 – 16, 2024	ME 720 - Fire Resistance, Prof. V. Kodur, Michigan
September 9 -13, 2024	ME 765 - Advanced Fire Investigation, Various instructors
September 23-27, 2024	ME 673 - Fire Modelling, Prof. E. Weckman, Waterloo
October 21 – 25, 2024	ME 765 - Human Behaviour in Fire, Prof. J. Gales, York
TBD	ME 672 - Advanced Enclosure Fires, N. Ryder, Adjunct Professor

Fire Safety courses at University of Waterloo are offered in a one week-long, intensive lecture format (approximately 36-40 hours) with lab exercises and hands-on demonstrations during the week. On Friday, students often present topics for their course projects and in some courses, a Student Symposium (with guest speakers) is run. Seminars are tailored to topics related to the course material and industrial applications providing an enriched experience for all students as well.

ON-LINE SEATS AVAILABLE FOR COURSES

Ideal for students who cannot make it to the UW campus to take lectures. Courses are offered through video conference! Students can ask questions and contribute their experiences as if they are in the classroom at UW. Lectures are taped and recordings are available to registered students through a dedicated site. This way, students can review a missed lecture or re-view each lecture while doing coursework.

For **credit-based students**, the lectures are offered in one UW term (winter, spring or fall). The majority of **coursework is electronically submitted** in the following term (spring, fall or winter, respectively) for grading. This gives each student **ample time** to fit in course work whilst also balancing pressures at their jobs. Handouts, assignments, projects are available through the UW LEARN system or via Dropbox for each course. Insofar as possible, assignments test students on key concepts in a course; **projects and case studies are individually tailored to the interests/needs of each student's industry.**

There are **no exams**, so students are able to take the **entire program in class or interactively on-line**, or can take courses using only the recorded lectures (this is not a popular option but has been done). Any mix of these is allowed as well. We offer all of our courses individually (on a fully marked or attendance-only basis) or to fulfill requirements for MEng, MEng (GDip Fire Safety), MASc/PhD or 4-course (non-degree) certificate programs.

Course dates and instructors are updated at <https://uwaterloo.ca/fire-research-and-safety/fire-safety-program>



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FACULTY OF ENGINEERING
**Department of Mechanical
and Mechatronics Engineering**