



## **CNS Nuclear-101 Course McMaster University 2024 May 2-3**

A general-level course for people working in the nuclear industry as well as anyone interested in obtaining a good understanding of nuclear issues.

**2024 May 2-3, Room TSH 118, Togo Salmon Hall, McMaster University, Hamilton, ON**

(map on next page)

### **Course Agenda**

The course includes the following modules:

#### **1. The Fundamentals: Energy and Environment**

The significance of energy in society and environmental considerations related to energy production.

#### **2. Radiation and Risk**

Ionizing radiation and its effect on the environment and the human body. Overview of safety, particularly in the context of nuclear accidents. Risk and the public perception of radiation.

#### **3. Reactor Basics**

Basic introduction to how nuclear power stations work.

#### **4. Safety, Accidents and Waste**

Reactor safety and spent fuel management with a focus on advanced nuclear reactors.

### **Timetable (subject to change)**

Day 1	8:00 - 8:45 am	Continental Breakfast (provided)
	8:45 - 9:00 am	Course overview. Introduction of Instructors (All presenters)
	9:00 - 11:00 am	Energy (Larkin Mosscrop) (Mid-morning Coffee Break)
	11:00 - Noon	Radiobiology (Chris Thome)
	Noon-1:00 pm	Lunch (provided)
	1:00 - 2:00 pm	Radiobiology (continued)
	2:00 - 4:00 pm	Reactor Basics (Ben Rouben) (Mid-afternoon Coffee Break)
Day 2	8:00 - 8:30 am	Continental Breakfast (provided)
	9:00 - 11:30 am	Advanced Reactors, Safety (Stephen Yu) (Mid-morning Coffee Break)
	11:30 am - 12:30 pm	Lunch (provided)
	12:30 - 1:30 pm	Panel Discussions, Question Period
	1:30 pm -	McMaster Nuclear Reactor Tours (for those interested)

The Course will be held in Togo Salmon Hall (TSH) room 118



## CAMPUS MAP

### LEGEND

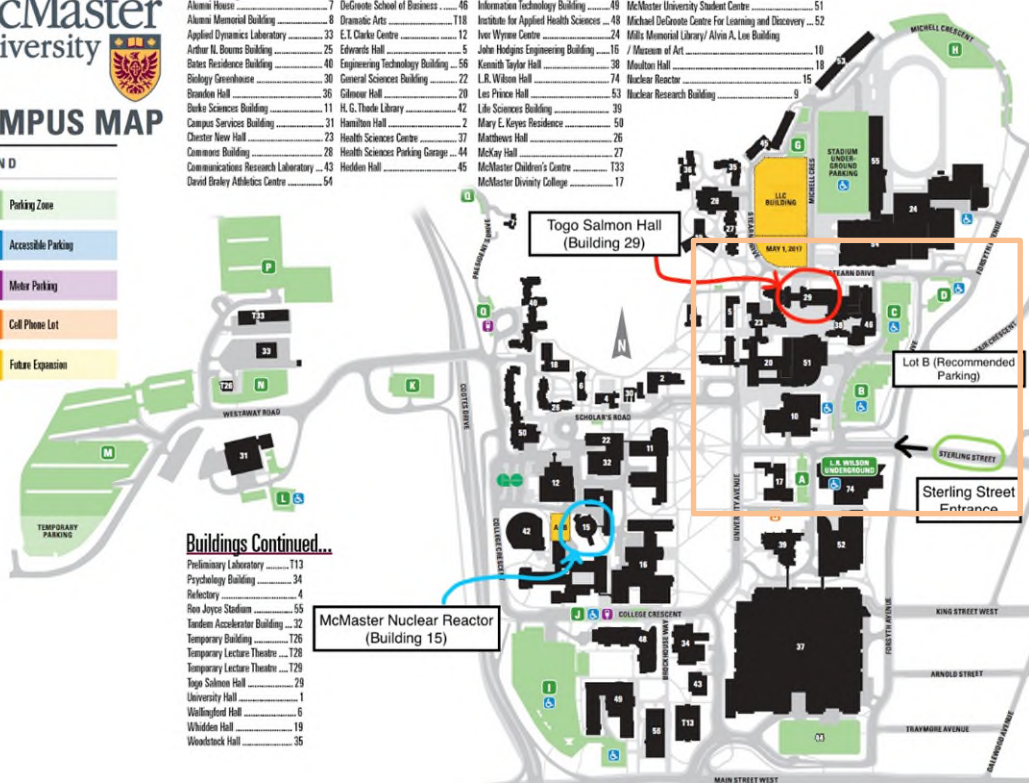
- Parking Zone
- Accessible Parking
- Motor Parking
- Cell Phone Lot
- Future Expansion

### Buildings

Alumni House ..... 7	DeGroot School of Business ..... 46	Information Technology Building ..... 49	McMaster University Student Centre ..... 51
Alumni Memorial Building ..... 8	Dramatic Arts ..... T18	Institute for Applied Health Sciences ..... 48	Michael DeGroot Centre For Learning and Discovery ..... 52
Applied Dynamics Laboratory ..... 33	E.I. Clarke Centre ..... 12	Ivo Wynn Centre ..... 24	Mills Memorial Library/ Alvin A. Lee Building ..... 10
Arthur N. Boomer Building ..... 25	Edwards Hall ..... 5	John Hodgins Engineering Building ..... 16	/ Museum of Art ..... 18
Bates Residence Building ..... 40	Engineering Technology Building ..... 56	Kenneth Taylor Hall ..... 38	Moulton Hall ..... 15
Biology Greenhouse ..... 30	General Sciences Building ..... 22	L.R. Wilson Hall ..... 74	Nuclear Reactor ..... 15
Bracken Hall ..... 36	Gilmore Hall ..... 20	Las Pinces Hall ..... 53	Nuclear Research Building ..... 9
Burke Sciences Building ..... 11	H.G. Trade Library ..... 42	Life Sciences Building ..... 39	
Campus Services Building ..... 31	Hamilton Hall ..... 2	Mary K. Keyser Residence ..... 50	
Chancellor New Hall ..... 23	Health Sciences Centre ..... 37	Matheson Hall ..... 26	
Commons Building ..... 28	Health Sciences Parking Garage ..... 44	McKay Hall ..... 27	
Communications Research Laboratory ..... 43	Holmes Hall ..... 45	McMaster Children's Centre ..... T33	
David Brinkley Athletics Centre ..... 54		McMaster Divinity College ..... 17	

### Buildings Continued...

Preferential Laboratory ..... T13
Psychology Building ..... 34
Refectory ..... 4
Ron Joyce Stadium ..... 55
Tandem Accelerator Building ..... 32
Temporary Building ..... T26
Temporary Lecture Theatre ..... T28
Temporary Lecture Theatre ..... T29
Togo Salmon Hall ..... 29
University Hall ..... 1
Woolfenden Hall ..... 6
Woodden Hall ..... 19
Woodstock Hall ..... 35



## Directions to Classroom

1. Enter campus via Sterling Street Entrance.
2. Park in Lot B (recommended): Turn right and follow the bend in the road around the parking lot. Keep left at the fork and enter Lot B through the entrance on the left.
3. Once parked, walk in the direction of the red arrow: go up the stairs, through the courtyard, and to Togo Salmon Hall (TSH), Bldg 20.
4. If the stairs are blocked, alternate route can be taken through the Student Center (Bldg 51) and out to the courtyard.
5. Enter TSH via the door labelled WEST.
6. The course will be in room TSH 118.

