



CNS Nuclear-101 Course Toronto (Airport Area), 2019 May 22-23

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

Date/Venue: 2019 May 22-23, Fairfield Inn & Suites Toronto Airport
3299 Caroga Drive, Mississauga, ON, L4V 1A3

Course Agenda

The course includes three modules:

1. Nuclear Fuel Cycle (Ben Rouben)

Basic introduction to energy flow, nuclear theory and how nuclear power stations work. An overview of the nuclear fuel cycle (exploration, mining, processing enrichment and nuclear power generation), nuclear waste storage and reprocessing.

2. Radiation and Risk (Doug Boreham)

Ionizing radiation and its affect 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. Nuclear Myths and Reality (Larkin Mosscrop Kee)

Review of nuclear history of nuclear power, nuclear accidents, and nuclear benefits to society. Common public misperceptions and how to deal with them. Frequently-Asked-Questions about nuclear technology, and effective ways to answer them to a non-technical audience.

Timetable

Day 1	7:45-8:30 am	Continental Breakfast (provided)
	8:30 – 8:45 am	Course overview. Introduction of Instructors
	8:45 – 12:00 pm	Introduction to Nuclear Theory and the Nuclear Fuel Cycle (Mid-morning Coffee Break)
	12:00 – 1:00 pm	Lunch (provided)
	1:00 – 4:15 pm	Radiation and Risk (Mid-afternoon Coffee Break)
Day 2	7:45-8:30 am	Continental Breakfast (provided)
	8:30 – 12:00 pm	Nuclear Myths and Reality (Mid-morning Coffee Break)
	12:00 – 1:00 pm	Lunch (provided)
	1:00 – 3:30 pm	Panel Discussions, Question Period