



Week 1: June 7-10, 2021		Professors: Emilio Baglietto, Michael Short
DAY 1: Mon. 06/07/21 PERSPECTIVES ON SAFETY		
8:30-9:00 AM	Welcome & Course Overview	Prof. Emilio BAGLIETTO, MIT
9:00-10:00 AM	A Brief History of the Safety Course at MIT	
10:00-11:00 AM	International Nuclear Safety Perspective – IAEA Viewpoint	Dr. Richard MESERVE, US NRC – Former Chairman
11:00 AM-12:00 PM	Risk Assessment & Applications	Dr. George APOSTOLAKIS, NRRRC-JAPAN
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
DAY 2: Tues. 06/08/21 REACTOR TECHNOLOGY AND OPERATION		
9:00-10:00 AM	International Nuclear Safety Perspective – NEA Viewpoint	William D. MAGWOOD IV Director-General NEA
10:00-11:00 AM	Safety of Worldwide Nuclear Operations	Mr. Tom MITCHELL WANO – Chairman
11:00 AM-12:00 PM	PWR Active and Passive Systems	Dr. Luca ORIANI, Westinghouse
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
1:00 PM	Virtual Tour: MIT NSE Laboratory	
DAY 3: Wed. 06/09/21 REACTOR TECHNOLOGY AND OPERATION		
9:00-10:00 AM	Industry Perspective on Safety	Mr. Douglas TRUE, NEI
10:00-11:00 AM	LWR Materials I	Prof. Ronald BALLINGER , MIT
11:00 AM-12:00 PM	Multi-Unit Sites	Dr. George APOSTOLAKIS, NRRRC-JAPAN
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
DAY 4: Thurs.06/10/21 NEW BUILDS		
9:00-10:00 AM	Physical and Cyber Security	Dr. Mirela GAVRILAS, US NRC
10:00-11:00 AM	New Reactors-Industry + Government Perspectives	Dr. Jennifer UHLE, NEI
11:00 AM-12:00 PM	Licensing Processes	Mr. William RECKLEY, US NRC
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
1:00 PM	Virtual Tour: MIT Tour	

* Includes 10-minute Flex Breaks
 **Schedule subject to change
 ***All times listed are Eastern (Boston, MA) Times



NUCLEAR PLANT SAFETY COURSE

Week 2:
June 14-17, 2021

Professors:
Emilio Baglietto, Michael Short

DAY 5: Mon. 06/14/21 NEW BUILDS

8:30-9:00 AM	Overview	Prof. Michael SHORT, MIT
9:00-10:00 AM	Regulation-Canadian View	Mr. Marcel DE VOS/ Douglass MILLER, CNSC
10:00-11:00 AM	Seismic Safety	Dr. Robert BUDNITZ, LBNL
11:00AM-12:00 PM	NuScale Design and Licensing	Dr. Jose REYES, NUSCALE CTO
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	

DAY 6: Tues. 06/15/21 REACTOR OPERATION

9:00-10:00 AM	Human Reliability Analysis	Dr. Dennis BLEY Buttonwood Consulting, Inc.
10:00-11:00 AM	Digital Control Issues	Dr. Douglas CHAPIN MPR Associates
11:00 AM-12:00 PM	Lessons Learned from Three Severe Accidents	Dr. Joy REMPE, Rempe and Associates, LLC
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
1:00 PM	Virtual Tour: MIT Reactor Laboratory	

DAY 7: Wed. 06/16/21 REACTOR OPERATION

9:00-10:00 AM	Fukushima Current Situation	Mr. Tatsuro Kobayashi, TEPCO
10:00-11:00 AM	Operational Safety	Ms. Marri MARCHIONDA-PALMER, Exelon
11:00 AM-12:00 PM	Safety of Spent Fuel	Dr. Charles FORSBERG, MIT
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	

DAY 8: Thurs.06/17/21 MATERIALS AND FUEL SAFETY

9:00-10:00 AM	Decommissioning	Dr. Andrew KADAK, Kadak Associates, Inc.
10:00-11:00 AM	Fuel Safety Issues	Mr. Zeses KAROUTAS, Westinghouse
11:00 AM-12:00 PM	LWR Materials II	Prof. Ronald BALLINGER, MIT
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30p	Finale & Certificates Presentation	



UPDATED 02/05/21



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