



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

<b>DAY 5: Mon. 06/14/21 NEW BUILDS</b>		
8:30-9:00 AM	Overview	Prof. Michael SHORT, MIT
9:00-10:00 AM	<b>Regulation-Canadian View</b>	<b>Mr. Marcel DE VOS/ Douglass MILLER, CNSC</b>
10:00-11:00 AM	<b>Seismic Safety</b>	<b>Dr. Robert BUDNITZ, LBNL (retired)</b>
11:00AM-12:00 PM	<b>NuScale Design and Licensing</b>	<b>Dr. Jose REYES, NUSCALE CTO</b>
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
<b>DAY 6: Tues. 06/15/21 REACTOR OPERATION</b>		
9:00-10:00 AM	<b>Digital Control Issues</b>	<b>Dr. Douglas CHAPIN</b> MPR Associates (Emeritus)
10:00-11:00 AM	<b>Human Reliability Analysis</b>	<b>Dr. Dennis BLEY</b> Buttonwood Consulting, Inc.
11:00 AM-12:00 PM	<b>Lessons Learned from Three Severe Accidents</b>	<b>Dr. Joy REMPE, Rempe and Associates, LLC</b>
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
1:00 PM	Virtual Tour: MIT Reactor Laboratory	
<b>DAY 7: Wed. 06/16/21 REACTOR OPERATION</b>		
9:00-10:00 AM	<b>Fukushima Current Situation</b>	<b>Mr. Tatsuro Kobayashi, TEPCO</b>
10:00-11:00 AM	<b>Operational Safety</b>	<b>Ms. Marri MARCHIONDA-PALMER, Exelon</b>
11:00 AM-12:00 PM	<b>Safety of Spent Fuel</b>	<b>Dr. Charles FORSBERG, MIT</b>
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
<b>DAY 8: Thurs.06/17/21 MATERIALS AND FUEL SAFETY</b>		
9:00-10:00 AM	<b>Decommissioning</b>	<b>Dr. Andrew KADAK,</b> Kadak Associates, Inc.
10:00-11:00 AM	<b>Fuel Safety Issues</b>	<b>Mr. Zeses KAROUTAS, Westinghouse</b>
11:00 AM-12:00 PM	<b>LWR Materials II</b>	<b>Prof. Ronald BALLINGER, MIT</b>
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30p	Finale & Certificates Presentation	



UPDATED 04/06/21



Sponsored by:

[Nuclear Science and Engineering Department \(NSE\)](#)  
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