

**Metallurgical and Materials Engineering
PROFESSIONAL ENGINEER (PE) LICENSING
EXAM REVIEW COURSE**



2021 Review Course Schedule

Schedule at a Glance as of July 27, 2021; Live presentation times are subject to change.

LIVE INSTRUCTION

Time (EDT)	Topic	Unit*	Instructor
Monday, August 9, 2021			
1:00 to 2:00 pm	Introductions and Exam Format Review	1	Charles White
3:00 to 4:30 pm	Temp-Dependent Behavior and Standards	17	Erik Mueller
4:45 to 5:30 pm	Attendee Meet-and-Greet		All
Tuesday, August 10, 2021			
1:00 to 2:30 pm	Failure Analysis; Fatigue and Fracture	22	Erik Mueller
2:45 to 4:45 pm	Nondestructive Testing/Hardenability	8	Erik Mueller
5:00 to 5:30 pm	Office Hours: Questions for the Instructor		Erik Mueller
Monday, August 16, 2021			
1:45 to 2:45 pm	Processing and Phase Diagrams II	3	Charles White
3:00 to 4:30 pm	Ceramics and Composites	20	Eric Weishaupt
4:30 to 5:15 pm	Office Hours: Questions for the Instructors		White & Weishaupt
Tuesday, August 17, 2021			
1:00 to 2:30 pm	Corrosion: Mechanisms, Environmental Compatibility, Design II	12	Charles White
2:30 to 3:15 pm	Office Hours: Questions for the Instructors		White & Sopher
3:15 to 4:15 pm	Wrap Up	24	Charles White

ON-DEMAND INSTRUCTION

Topic	Unit*	Instructor
On-demand units are available online through October 31, 2021.		
Processing and Phase Diagrams I	2	Charles White
Mechanical Performance States of Stress	4	Eric Weishaupt
Basic Crystal Structure, Imperfection Slip Systems	5	Eric Weishaupt
Statistics	7	Steve Sopher
Characterization and Chemical Analysis	9	Erik Mueller
Corrosion: Mechanisms, Environmental Compatibility, Design I	11	Charles White
Plastics and Polymers	13	Steve Sopher
Fracture Mechanics, Joining Processes	15	Eric Weishaupt
Intro to Temp-Dependent Behavior, Diffusion, and Wear	16	Erik Mueller
Surface Treatment	19	Charles White
Microstructures	23	Erik Mueller

**Note: Units do not need to be viewed in order, with the exception of multi-part segments, introduction (Unit 1), and wrap-up (Unit 24).*