



**TMS METALLURGICAL AND MATERIALS  
PROFESSIONAL ENGINEER (PE)**

**LICENSING EXAM REVIEW COURSE**

**2016 PE Review Course Agenda**

*As of 8/1/16*

	<u>Start Time</u>	<u>End Time</u>	<u>Lecture Title</u>	<u>Instructor</u>
<b>Wednesday, August 24</b>				
	12:00 PM	12:30 PM	<b>Registration</b>	
	12:30 PM	1:00 PM	<b>Introductions and Exam Format Review</b>	Chuck White
	1:00 PM	2:30 PM	<b>Castings and Cold Workings</b>	Chuck White
	2:30 PM	2:45 PM	<b>Break</b>	
	2:45 PM	4:30 PM	<b>Joining Processes/Coatings</b>	Chuck White
	4:30 PM	4:45 PM	<b>Questions/Adjourn</b>	
<b>Thursday, August 25</b>				
	7:30 AM	8:00 AM	<b>Registration</b>	
	8:00 AM	9:30 AM	<b>Steel: Physical Metallurgy, Microstructure and Properties</b>	George Krauss
	9:30 AM	9:45 AM	<b>Break</b>	
	9:45 AM	11:45 AM	<b>Steel: Heat Treatment and Performance</b>	George Krauss
	11:45 AM	12:45 PM	<b>Lunch and Discussion Group</b>	
	12:45 PM	2:30 PM	<b>States of Stress and Elastic Constants</b>	Indrajit Charit
	2:30 PM	2:45 PM	<b>Break</b>	
	2:45 PM	4:45 PM	<b>Mechanical Behavior of Composites, High Temperature Behavior</b>	Indrajit Charit
	4:45 PM	5:00 PM	<b>Questions/Adjourn</b>	
<b>Friday, August 26</b>				
	7:30 AM	8:00 AM	<b>Registration</b>	
	8:00 AM	10:00 AM	<b>Arrhenius Behavior, Trans Times, and Sintering</b>	Erik Mueller
	10:00 AM	10:15 AM	<b>Break</b>	
	10:15 AM	12:00 PM	<b>Fitness for Service and Life Protection</b>	Alphonse Hegger
	12:00 PM	1:00 PM	<b>Lunch and Discussion Group</b>	
	1:00 PM	3:00 PM	<b>Corrosion/Environmental Compatibility</b>	Alphonse Hegger
	3:00 PM	3:15 PM	<b>Break</b>	
	3:15 PM	4:45 PM	<b>Testing and Analysis</b>	Erik Mueller
	4:45 PM	5:00 PM	<b>Questions/Adjourn</b>	
<b>Saturday, August 27</b>				
	7:30 AM	8:00 AM	<b>Registration</b>	
	8:00 AM	10:00 AM	<b>Chemical Analysis, Techniques, Metallography, and NDT</b>	Dana Medlin
	10:00 AM	10:15 AM	<b>Break</b>	
	10:15 AM	11:30 AM	<b>Review of Basic Crystal Structures, Chemistry, and Phase Diagrams</b>	Dana Medlin
	11:30 AM	12:30 PM	<b>Lunch and Discussion Group</b>	
	12:30 PM	2:00 PM	<b>Polymers, Strengthening Mechanisms, SPC</b>	Steve Sopher
	2:00 PM	2:30 PM	<b>Wrap Up and Evaluations/Adjourn</b>	Chuck White