



**METALLURGICAL AND MATERIALS  
ENGINEERING PROFESSIONAL ENGINEER  
(PE) LICENSING EXAM REVIEW COURSE**



**2018 Professional Engineer (PE) Licensing Review Course Agenda**

*As of 7/2/18*

| <u>Start Time</u>          | <u>End Time</u> | <u>Lecture Title</u>   | <u>Instructor</u> | <u>Exam Specification</u> |
|----------------------------|-----------------|--|-------------------|---------------------------|
| <b>Wednesday, August 1</b> |                 |  |                   |                           |
| 12:00 PM                   | 5:30 PM         | Registration and Course Assistance   |                   |                           |
| 12:30 PM                   | 1:30 PM         | Introductions and Exam Format Review   | Chuck White       |                           |
| 1:30 PM                    | 3:30 PM         | Processing and Phase Diagrams  | Chuck White       | Structure & Processing    |
| 3:30 PM                    | 3:45 PM         | Break  |                   |                           |
| 3:45 PM                    | 5:00 PM         | Physical Metallurgy Microstructure Chemical Analysis, Hardenability Calculations | Indrajit Charit   | Properties                |
| 5:00 PM                    | 5:15 PM         | Questions/Adjourn  |                   |                           |
| <b>Thursday, August 2</b>  |                 |  |                   |                           |
| 7:30 AM                    | 5:00 PM         | Registration and Course Assistance   |                   |                           |
| 8:00 AM                    | 10:00 AM        | Mechanical States of Stress  | Indrajit Charit   | Performance               |
| 10:00 AM                   | 10:15 AM        | Break  |                   |                           |
| 10:15 AM                   | 12:00 PM        | Statistics   | Steve Sopher      | Performance               |
| 12:00 PM                   | 1:00 PM         | Lunch  |                   |                           |
| 1:00 PM                    | 2:00 PM         | Statistics, continued  |                   |                           |
| 2:00 PM                    | 3:00 PM         | Mechanical Behavior of Composites, Sintering, and Ceramics                       | Indrajit Charit   | Properties                |
| 3:00 PM                    | 3:15 PM         | Break  |                   |                           |
| 3:15 PM                    | 4:30 PM         | Mechanical Behavior of Composites, Sintering, and Ceramics, continued            |                   |                           |
| 4:30 PM                    | 5:00 PM         | Questions/Adjourn  |                   |                           |
| <b>Friday, August 3</b>    |                 |  |                   |                           |
| 7:30 AM                    | 5:30 PM         | Registration and Course Assistance   |                   |                           |
| 8:00 AM                    | 9:00 AM         | Non Destructive Testing (NDT)  | Erik Mueller      | Performance               |
| 9:00 AM                    | 10:30 AM        | Basics, Crystal Structure, Imperfection Slip Systems                             | Erik Mueller      | Structure                 |
| 10:30 AM                   | 10:45 AM        | Break  |                   |                           |
| 10:45 AM                   | 12:15 PM        | Corrosion Mechanisms and Environmental Compatibility                             | Chuck White       | Performance               |
| 12:15 PM                   | 1:00 PM         | Lunch  |                   |                           |
| 1:00 PM                    | 2:00 PM         | Corrosion Design   | Chuck White       | Performance               |

|                           |          |   |              |             |
|---------------------------|----------|---|--------------|-------------|
| 2:00 PM                   | 2:45 PM  | <b>Testing and Analysis</b>               | Erik Mueller | Performance |
| 2:45 PM                   | 3:00 PM  | <b>Break</b>                              |              |             |
| 3:00 PM                   | 5:00 PM  | <b>Testing and Analysis, Continued</b>    | Erik Mueller | Performance |
| 5:00 PM                   | 5:15 PM  | <b>Questions/Adjourn</b>                  |              |             |
| <b>Saturday, August 4</b> |          |   |              |             |
| 7:30 AM                   | 3:30 PM  | <b>Registration and Course Assistance</b> |              |             |
| 8:00 AM                   | 10:00 AM | <b>Performance</b>                        | Erik Mueller | Performance |
| 10:00 AM                  | 10:15 AM | <b>Break</b>                              |              |             |
| 10:15 AM                  | 12:15 PM | <b>Polymers</b>                           | Steve Sopher | Processing  |
| 12:15 PM                  | 1:00 PM  | <b>Lunch</b>                              |              |             |
| 1:00 PM                   | 3:00 PM  | <b>Joining and Surface Technology</b>     | Chuck White  | Processing  |
| 3:00 PM                   | 3:30 PM  | <b>Wrap Up and Evaluations/Adjourn</b>    | Chuck White  |             |