

## **Estimated Instructional Time for Energy Industry Fundamentals**

First number represents the minimum time—reading (in class) and PowerPoint presentations (where applicable), going over guided questions and vocabulary, and taking the end-of-unit quizzes (does not include hand-on activities or laboratories).

Second number represents estimated time with all activities (all of the above plus hands-on activities and labs) completed during class time.

Module 1, Unit A (6 hrs - 12 hrs)

Module 1, Unit B (7 hrs - 15 hrs)

Module 1, Unit C (4 hrs - 7 hrs)

Module 2, Unit A (12 hrs - 28 hrs)

Module 2, Unit B (9 hrs - 16 hrs)

Module 2, Unit C (5 hrs - 14 hrs)

Module 3, Unit A (8 hrs - 14 hrs)

Module 3, Unit B (6 hrs - 12 hrs)

Module 3, Unit C (5 hrs - 8 hrs)

Module 4, Unit A (7 hrs - 15 hrs)

Module 4, Unit B (3 hrs - 5 hrs)

Module 5, Unit A (5 hrs - 9 hrs)

Module 5, Unit B (2 hrs - 5 hrs)

Module 5, Unit C (3 hrs - 5 hrs)

Online modules

Module 6 (2hrs - 10 hrs)

Module 7 (2hrs - 10 hrs)

### ***Below is another breakdown of the class:***

a. Lecture and classroom discussion: 78 hours

b. Classroom activities (e.g., case studies, role-playing, problem solving, etc.): 26 hours

d. Laboratories (true labs not research activities), if selected by instructor: 26 hours