AME 513
Principles of Combustion
Fall 2017, OHE 100C, F 9:00-11:50 am

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References:
2. Unpublished notes, prepared by C.K. Law & F.N. Egolfopoulos (will be provided).

Topics:
Introduction
Chemical Thermodynamics
Chemical Kinetics
Transport Phenomena
Conservation Equations
Non-Premixed Flames
Premixed Flames
Aerodynamics of Laminar Flames
Environmental Combustion Considerations

Grading:

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<thead>
<tr>
<th>Component</th>
<th>Date/Time</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm Exam</td>
<td>TBD</td>
<td>35%</td>
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<tr>
<td>Final Exam</td>
<td>December 11 (M) 11:00 am-1:00 pm</td>
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<tr>
<td>Homework</td>
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Note: The use of laptops or cell phones to access the internet/e-mail during class and/or exams is not allowed. Such devices are allowed only to access material pertaining to the class.