AME 513
Principles of Combustion
Fall 2015, OHE 100C, F 9:00-11:50 am

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References:
2. Unpublished notes updated yearly, by C.K. Law & F.N. Egolfopoulos (will be provided).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:
Midterm Exam October 16 (F) (9:15 am-10:45 am) 35%
Final Exam December 14 (M) (11:00 am-1:00 pm) 45%
Homework

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.