

**ME 403 INTERNAL COMBUSTION ENGINES  
FALL 2023**

**INSTRUCTOR:**

Professor Chia-fon F. Lee

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**TEACHING ASSISTANT:**

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**TEXT:**

"Internal Combustion Engine Fundamentals", 2<sup>nd</sup> Ed., by John B. Heywood, McGraw-Hill, 2018.

**REFERENCE TEXT:**

"Internal Combustion Engines: Applied Thermosciences", by Colin R. Ferguson, John Wiley, 1986. "The Internal-Combustion Engine in Theory and Practice", by Charles F. Taylor, Second Edition, the M.I.T. Press, 1994.

**GRADING:**

**Undergraduates (3 credit hours):**

1 midterm exam,	30%
Final exam,	40%
homework and labs,	30%

**Graduate students (4 credit hours):**

1 midterm exam,	30%
Final exam,	40%
homework and labs,	15%
final personal paper & presentation,	15%

**SCHEDULE:**

Three hourly lectures per week (MWF, online). Five two-hour laboratories (in person & online).

No labs in the first two weeks. The first lab starts on September 5th.

**LAB REPORTS:**

Required for each laboratory experiment.

**HOMEWORK:**

Assignments will be distributed periodically on CANVAS and to be submitted on the website. Due date and time will be printed on each homework set. No late homework accepted.