

**ME 403 INTERNAL COMBUSTION ENGINES  
FALL 2024**

**INSTRUCTOR:**

Professor Chia-fon F. Lee: Tel: (217)333-5879, E-mail: cflee@illinois.edu

**TEACHING ASSISTANT:**

Zhiyu Zhao: Office: 1101 MEL; E-mail: zhiyuz2@illinois.edu

**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):**

2 midterm exams,	40%
Final exam,	30%
homework and labs,	30%

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

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

Due to the diversity of students' backgrounds and the multidisciplinary and frequently updated lecture content, it has been proven over 30 years of teaching of ME 403 that the standard grading policies do not work for this class. Therefore, we have been using **the ranking in the class** as the base of determining the **final grades** and keeping the overall average GPA of the class to be consistent with the historic average GPA values in ME 403. To keep the fairness in grading, the "Academic Integrity Infractions" rules <https://studentcode.illinois.edu/article1/part4/1-402> will be strictly enforced.

**SCHEDULE:**

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

No labs in the first two weeks. The first lab starts on September 9th.

**HOMEWORK:**

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