AE/ME 5131
Intermediate Thermofluid Mechanics

SYLLABUS

Fall Semester 2017—April 13, 2017.

Meeting Time and Location: MWF 3:00-3:50pm, 260 Toomey Hall.

Instructor: Professor K. O. Homan, office: 329 Toomey Hall, phone: 341-6622, email: khoman@mst.edu.

Office Hours: After class, Monday-Friday 12:30-1:00pm, Tuesday and Thursday 4:00-4:30pm or by appointment. Messages can be left by phone or by email.

Piazza: The primary, and preferred, means of obtaining class-related assistance is through Piazza. Piazza is a question-and-answer platform which provides a convenient means to get class-related answers from classmates and the instructor, including privately. The website is piazza.com. Class specific information will be sent via email to all students enrolled in the course.

Blackboard: Course information, lecture notes and all homework assignments will be available on Blackboard. The lecture notes will be posted after class in portable-document format.

Prerequisites: ME 231 or AE 231.


Secondary Textbooks:


Additional Course Materials: Engineering Equation Solver (EES) software. A full academic version may be downloaded from the Blackboard site for the
course. The license for the currently available executable expires in September 2017.

**Grading:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Hour Exams</td>
<td>55%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
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Questions regarding exam and homework grades must be submitted *in writing* within one week of the grade assignment.

**Grading Scale:** The standard 10-point scale should be the assumed basis for all letter grades. All grades will be posted on Blackboard and should therefore be verified for accuracy. Although not obligated to do so, the instructor reserves the right to adjust the scale downward.

**Attendance:** Class attendance is *expected*. Attendance will be noted and, in combination with poor homework and test performance, may be used as the basis for being dropped from the course.

**Homework:** Homework will be submitted electronically through Blackboard and will become available on Blackboard one week prior to the due date. The due date for each homework assignment is indicated on the course schedule. Homework will receive a 10% deduction if submitted within the first 24 hours after the due date. An individual assignment will cease to be available for submission 24 hours after the due date. The lowest homework score will be dropped.

**Exams:** Two hour exams will be given during regular class periods and the final exam during the scheduled exam period. The date of the hour exams are indicated on the class schedule. The final exam will be comprehensive and will be given during the scheduled exam time.

**Problem-solving Format:** Problem solutions *must* follow the structured approach illustrated in class. Problems should be neat, in order, and written on one side of letter-size paper to ensure high quality electronic scans. Answers must be clearly identified to ensure full credit. Repeated failures to follow these requirements will result in increasingly higher score reductions.

*April 13, 2017*