Industrial/Research/Professional Internship – ME 496
Department of Mechanical Engineering

Students wishing to incorporate professional experience in the engineering profession as part of their curriculum for the BSME may use a maximum of three credit hours of “open elective” credits for this purpose. Students must enroll in ME496 to receive credit, and the grading option is pass/fail. To ensure proper credit, students must obtain approval from a faculty advisor prior to carrying out the internship.

Process for obtaining approval of ME 496 Internships:

1) An ME Department faculty member will serve as the instructor-of-record for this internship.
2) The student must fill out this form AND the ME 496 - Industrial Internship Course Registration Form.
   The registration form must be signed by the advisor and taken to the ME Department Office. Completion of the form is due prior to registration.
3) Fill out the attached table of Expected Course Outcomes.
   a. When the course is proposed: Fill in the second column of the attached table to describe how this internship is expected to provide learning in each of the applicable student outcomes listed in the first column. Provide as much detail as possible, using a separate page if necessary.
   b. When the course is completed: The actual student outcomes must be described in the third column at the end of the course.
4) Attach a brief (approximately one page) description of the work to be done in this internship including how the content of other courses taken toward the BSME degree relate to the proposed work.

The Grade Option is Pass/Fail and will be assigned by the faculty advisor based on the input of the industrial advisor, the final report provided by the student at the end of the internship, and on the actual student outcomes as specified on page 2 of this form.

Name of company or organization sponsoring this internship:

__________________________________________________________________________

Student: Industrial Advisor:

_________________________ ____________________________
Print name Print name Email or Phone No.

Signature Date Signature Date

Proposal Approvals:
The attached expected course outcomes and description of this internship are approved.

Faculty Advisor ____________________________ Section No. __________
Signature Date

Page 1 of 2

Revised 27 October 2013
<table>
<thead>
<tr>
<th>Program outcomes for this course emphasize student learning in:</th>
<th>At start of course: Describe how this proposed internship is expected to provide learning in each applicable program outcome.</th>
<th>At end of course: Describe how this internship provided learning in each applicable program outcome.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) an ability to apply knowledge of mathematics, science and engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) an ability to design and conduct experiments, as well as to analyze and interpret data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) an ability to design a system, component, or process to meet desired needs within realistic constraints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d) an ability to function on multi-disciplinary teams</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e) an ability to identify, formulate and solve engineering problems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f) an understanding of professional and ethical responsibility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g) an ability to communicate effectively</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h) the broad education necessary to understand the impact of engineering solutions in a global and societal context</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i) a recognition of the need for, and an ability to engage in life-long learning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>j) a knowledge of contemporary issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>k) an ability to use the techniques, skills and modern engineering tools necessary for engineering practice</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF MECHANICAL ENGINEERING – ME 496 – INDUSTRIAL INTERNSHIP COURSE REGISTRATION FORM

This form must be used to register for the Department of Mechanical Engineering Industrial Internship Course. It is the student’s responsibility to secure all information and signatures required. IF ANY PORTION OF THIS FORM IS LEFT UNFILLED IT WILL BE RETURNED TO YOU AND YOU WILL NOT BE REGISTERED IN THE SYSTEM FOR THIS COURSE. You are liable for tuition charges and you must add, change, or drop this course within the legal dates as stated in the Schedule of Classes.

NOTE:
✓ This course can be used only for an Open Elective and not for a Technical Elective.
✓ The faculty advisor assigned to the student can serve as the instructor.
✓ The course can only be taken as Pass/Fail.
✓ There is additional paperwork requiring the signature of the industrial advisor.
✓ Students should return the completed form and the paperwork from the industrial advisor to the ME Department Secretary.
✓ The requirements for successful completion of the internship are determined by the faculty and industry advisors.

STUDENT B-NUMBER: ________________

Last Name: ____________________________ First Name: ____________________________ Date: __________

Address (local): __________________________ Phone: __________

Major: ____________________________ Email: ____________________________ Date of Birth: __________

Action to be taken:  □ Add  □ Change  □ Drop

COURSE NUMBER: ME 496

Credit Hours: 1  2  3

CRN: ________________

Semester:  □ Fall  Year: 20___  □ Spring  □ Summer

Grade Option:  P/F

TITLE OF INTERNSHIP (optional):
Limit of 30 characters: please be descriptive and abbreviate as necessary. The title you assign will appear on your OFFICIAL University transcript.

ADVISOR APPROVAL

INSTRUCTOR: (please print) ____________________________ INSTRUCTOR SECTION CODE NUMBER: ____________________________

INSTRUCTOR SIGNATURE: ____________________________ DATE: __________

DEPART. APPROVAL (if required): ____________________________ DATE: __________

Rev. 02/10