1. This request is submitted by the Department of Materials Science and Engineering.

2. Course prefix, number and complete title of course: MSEN 684 Professional Internship

3. Course description (not to exceed 50 words): Directed internship in an industrial or laboratory setting under the supervision of successful, experienced personnel; work related to the student's career aspirations and areas of specialization.

4. Prerequisite(s): Graduate classification
   Cross-listed with: None

5. Is this a variable credit course? ☒ Yes ☐ No If yes, from ___ to ___
6. Is this a repeatable course? ☒ Yes ☐ No If yes, this course may be taken ___ times.
   Will this course be repeated within the same semester? ☐ Yes ☒ No

7. Has this course been taught as a 489/689? ☐ Yes ☒ No If yes, how many times? ___

8. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

M.S., M.Eng., Ph.D., Materials Science and Engineering

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

10. Prefix Course Title (excluding punctuation)
    MSEN 684 Professional Internship

<table>
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<tr>
<th>Lect.</th>
<th>Lab</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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Approval recommended by:

Head of Department: Tahir Cagin Date 1/5/09

Chair, College Review Committee: Date 1/16/09

Dean of College: Date 2/5/09

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
# SYLLABUS

<table>
<thead>
<tr>
<th>Course number and title</th>
<th>MSEN 684 Professional Internship</th>
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<tbody>
<tr>
<td>Course Description</td>
<td>Directed internship in an industrial or laboratory setting under the supervision of successful, experienced personnel; work related to the student's career aspirations and areas of specialization.</td>
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<tr>
<td>Credit hours</td>
<td>Variable</td>
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<td>Grading</td>
<td>Course graded on an S/U basis</td>
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<tr>
<td>Prerequisites</td>
<td>MSEN 601 and MSEN 602</td>
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| Instructor              | Dr. Xinghang Zhang               |
| Telephone               | (979) 845-2143                   |
| E-mail                  | zhangx@tamu.edu                  |
| Office                  | 326 ENPH                         |

## Learning outcomes or course objectives

The professional internship places students in real-world laboratory and industrial work opportunities: learning cutting-edge materials related science and technology, data analysis, problem-solving, and technical team interactions. Students participate as professional members of a research group.

## Grading policy

Satisfactory performance will be determined by successful completion of the internship, final exit report, and positive feedback from supervisors.

## Reports

Student will be expected to write an exit report at the completion of the internship. If the internship spans several semesters, the report will be submitted at the end of the last semester.

## Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu)

## Academic Integrity

"An Aggie does not lie, cheat, or steal, or tolerate those who do." For
additional information please visit: http://www.tamu.edu/aggiehonor