Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. __ENGR__

COURSE NUMBER: ___1101___

NUMBER OF CREDITS: ___1___  Lecture:________  Lab:_______

**Course Title:**
Introduction to Engineering

**Catalog Description:**
Introduction to Engineering introduces the study of engineering. It covers the keys to success in engineering study, a description of the engineering profession, academic success strategies, and an orientation to the engineering education process.

**FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)**

Goal 1: Communication: ____ by meeting the following competencies:

Goal 2: Critical Thinking: ____ by meeting the following competencies:

Goal 3: Natural Sciences: ____ by meeting the following competencies:

Goal 4: Mathematics/Logical Reasoning: ____ by meeting the following competencies:

Goal 5: History and the Social and Behavioral Sciences: ____ by meeting the following competencies:

Goal 6: The Humanities and Fine Arts: ____ by meeting the following competencies:

Goal 7: Human Diversity: ____ by meeting the following competencies:

Goal 8: Global Perspective: ____ by meeting the following competencies:

Goal 9: Ethical and Civic Responsibility: ____ by meeting the following competencies:

Goal 10: People and the Environment: ____ by meeting the following competencies:

**Prerequisites or Necessary Entry Skills/Knowledge:**
### Topics to be Covered (General)

<table>
<thead>
<tr>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>Factors which lead to success in engineering study.</td>
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<tr>
<td>Models for viewing your education.</td>
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<tr>
<td>The engineering profession as a career.</td>
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<tr>
<td>Employment opportunities now and in the future.</td>
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<tr>
<td>Academic success strategies.</td>
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<tr>
<td>Personal development.</td>
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<tr>
<td>Broadening your education.</td>
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<tr>
<td>Orientation to the engineering education process.</td>
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<tr>
<td>The Engineering Method</td>
</tr>
</tbody>
</table>

### Student Learning Outcomes

- Explore engineering as a career choice.
- Examine different strategies for academic success
- Apply the Engineering Method

See SAMPLE EXPECTED LEARNING OUTCOMES STATEMENTS and ACTION VERB LIST FOR COURSE OUTCOMES in the Minnesota West Curriculum Development Manual which can be accessed at [https://www.mnwest.edu/faculty-resources/curriculum-manual](https://www.mnwest.edu/faculty-resources/curriculum-manual)

### Is this course part of a transfer pathway?

- Yes [ ]
- No [x]

*If yes, please list the competencies below*