ENGR 2362 (Approved): History of American Technology

Course Description
History of the interaction of American technology and society from colonial times to the present.

Prior Course Number: 360.02
Transcript Abbreviation: Hist Amer Tech
Grading Plan: Letter Grade
Course Deliveries: Classroom
Course Levels: Undergrad
Student Ranks: Sophomore, Junior, Senior
Course Offerings: Spring
Flex Scheduled Course: Never
Course Frequency: Every Year
Course Length: 14 Week
Credits: 3.0
Repeatable: No
Time Distribution: 3.0 hr Lec
Expected out-of-class hours per week: 6.0
Graded Component: Lecture
Credit by Examination: No
Admission Condition: No
Off Campus: Never
Campus Locations: Columbus
Prerequisites and Co-requisites: English 110 or equivalent
Exclusions: Not open to students with credit for ENG 360.02
Cross-Listings:

The course is required for this unit's degrees, majors, and/or minors: No
The course is a GEC: Yes
The course is an elective (for this or other units) or is a service course for other units: No

Subject/CIP Code: 14.9999
Subsidy Level: Baccalaureate Course

Course Goals

<table>
<thead>
<tr>
<th>Students acquire a perspective on history and an understanding of the factors that shape human activity.</th>
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<tbody>
<tr>
<td>Students display knowledge about the origins and nature of contemporary issues and a foundation for future comparative understanding.</td>
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<tr>
<td>Students think, speak, and write critically about primary and secondary historical sources by examining diverse interpretations of past events and ideas in their historical context.</td>
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Course Topics

<table>
<thead>
<tr>
<th>Topic</th>
<th>Lec</th>
<th>Rec</th>
<th>Lab</th>
<th>Cli</th>
<th>IS</th>
<th>Sem</th>
<th>FE</th>
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<tbody>
<tr>
<td>Pre-Industrial America (assuming the hours are in semesters)</td>
<td>3.0</td>
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<tr>
<td>Communication, Transportation, and Power</td>
<td>3.0</td>
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<tr>
<td>The American System of Manufacturing</td>
<td>6.0</td>
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<tr>
<td>Technology and the American Civil War</td>
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<tr>
<td>The Beginning of &quot;Modern&quot; America</td>
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**ABET-EAC Criterion 3 Outcomes**

<table>
<thead>
<tr>
<th>Course Contribution</th>
<th>College Outcome</th>
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<tr>
<td>*</td>
<td>a An ability to apply knowledge of mathematics, science, and engineering.</td>
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<td>b An ability to design and conduct experiments, as well as to analyze and interpret data.</td>
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<td>c An ability to design a system, component, or process to meet desired needs.</td>
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<td>d An ability to function on multi-disciplinary teams.</td>
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<td>*</td>
<td>e An ability to identify, formulate, and solve engineering problems.</td>
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<td>*</td>
<td>f An understanding of professional and ethical responsibility.</td>
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<td>**</td>
<td>g An ability to communicate effectively.</td>
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<td>h The broad education necessary to understand the impact of engineering solutions in a global and societal context.</td>
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<td>*</td>
<td>i A recognition of the need for, and an ability to engage in life-long learning.</td>
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<td>**</td>
<td>j A knowledge of contemporary issues.</td>
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<td>*</td>
<td>k An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.</td>
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</tbody>
</table>

**Additional Notes or Comments**

Criterion G,H

**Prepared by:** Kaitlyn Gassen