WOMEN'S STUDIES DEPARTMENT

FALL 1992

MARILYN MACDONALD
Lec.: Tues 13:30-15:20
Tut.: Tues 15:30-16:20

W.S. 204-3

WOMEN AND SCIENCE/ENGINEERING/TECHNOLOGY

The use of science as a way of knowing has changed radically from the Middle East and Mesoamerica of five thousand years ago, through its waxing and waning in the Aegean, in China, and in India, to the current panglobal situation. This change has occurred in terms of the ideology, the body of accepted knowledge and the institutions (both formal and informal) of science; and has coevolved with changes in engineering and technology. Historically and currently, women have been and are active participants in these fields, but only after overcoming numerous barriers. In the first stage of a feminist analysis of science/engineering/technology (SET), we discovered our foremother practitioners. In the second stage, we looked for space for women in the existing structures. Now, we question the nature of SET, and how it fits within a more holistic and equitable worldview. In the 1990’s, where SET are equated with prosperity, progress, power and security, a relatively small elite make decisions that affect all aspects of our lives. By understanding the relation of gender to SET, we can move towards their transformation and reclamation.

REQUIRED READING


COURSE REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Research Project (10-12 pages)</td>
<td>20%</td>
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<tr>
<td>Presentation</td>
<td>10%</td>
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<td>Mid-term</td>
<td>15%</td>
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<tr>
<td>Interview</td>
<td>5%</td>
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<tr>
<td>Book review (suggestion list to be provided)</td>
<td>10%</td>
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<tr>
<td>Experimental design/review</td>
<td>10%</td>
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<tr>
<td>Final examination</td>
<td>30%</td>
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THIS COURSE MAY BE APPLIED TO THE CERTIFICATE IN LIBERAL ARTS; MAY BE TAKEN AS A COMPLEMENTARY STUDIES ELECTIVE FOR ENGINEERING SCIENCE; AND HAS ALSO BEEN ACCEPTED AS LOWER DIVISION COMMUNICATIONS CREDIT