Course Title: The History of Scientific Thought

Course Number and Section: HISTORY OF SCIENCE 2200E - 550

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL is the official and authoritative source of information for the course.

Course Description:
This course is a survey of the physical and biological sciences from pre-history to the 20th century. Our focus will be an understanding of the landmark theories in these sciences as informing issues in the foundations and philosophy of science. We will engage questions of scientific methodology, the sources/reliability of scientific knowledge, the prevalence of various goals for, and attitudes toward, science, and the relationships between science, religion, culture, society, and the individual.

Learning Outcomes:
Students should finish the course with an understanding of what science is, its methods, and why it has been important to the development of civilization.

Students should also gain an understanding of multiple scientific theories, both historical and contemporary.

Successful students will improve their writing and general communication skills, especially with regard to writing from various perspectives and evaluating arguments and ideas in their relevant contexts.

Textbooks and Course Materials:

Various individual readings to be made available on OWL.

Methods of Evaluation:

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<thead>
<tr>
<th>Assignment</th>
<th>Due Date mm/dd/yy</th>
<th>Weight - %</th>
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</thead>
<tbody>
<tr>
<td>Guided Essay</td>
<td>October 18th</td>
<td>10%</td>
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<tr>
<td>Essay the Second Outline</td>
<td>November 20th</td>
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<tr>
<td>Essay the Second</td>
<td>December 6th</td>
<td>10%</td>
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<tr>
<td>Mid-Year Exam</td>
<td>Exam Period</td>
<td>15%</td>
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<tr>
<td>Active Learning Activities</td>
<td>In-Class, Various Dates</td>
<td>20%</td>
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<tr>
<td>Assignment</td>
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<tr>
<td>Research Essay</td>
<td>Second Semester, Various Dates</td>
<td>30%</td>
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<tr>
<td>Final Exam</td>
<td>Exam Period</td>
<td>15%</td>
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In solidarity with the Anishinaabe, Haudenosaunee, Lužaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.