SOCIOLOGY OF SCIENCE AND TECHNOLOGY  HTS 6115

Wenda Bauchspies, Phd
Office Hours: 1:00-2:00 TR and other hours by appointment.
wkbauchspies@gatech.edu

G23 Old Civil Engineering
404 385 3382

Course Description: The course will address the history of sociology of science and technology as well as contemporary understandings current in the field.

Introduction: The objective of this course is to introduce students to the history of sociology of science and technology as well as contemporary works in the field through classroom discussions, readings and assignments.

Books

Science
Technology


<table>
<thead>
<tr>
<th>Week</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 Jan</td>
<td>Science … Fiction? video</td>
</tr>
<tr>
<td>18</td>
<td>Merton, Barber</td>
</tr>
<tr>
<td>25</td>
<td>Barnes (4-7, 15), Fleck, Smith</td>
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<tr>
<td>1 Feb</td>
<td>Epstein, Harding, Reid &amp; Traweek,</td>
</tr>
<tr>
<td>8</td>
<td>Biagioli 1-18</td>
</tr>
<tr>
<td>15</td>
<td>Biagioli 19-36</td>
</tr>
<tr>
<td>22</td>
<td>Frickel &amp; Moore</td>
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<tr>
<td>1 Mar</td>
<td>Bowker, and Herzig</td>
</tr>
<tr>
<td>8</td>
<td>Barnes (Part 3), and Bijker 1987</td>
</tr>
<tr>
<td>15</td>
<td>Bijker 1995, Cluster of readings,</td>
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<tr>
<td>22</td>
<td>Spring Break</td>
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Course Requirements:

Attendance and Participation: 50 (pts).

Ten Weekly **one - two page single spaced paper** (10pts) on the reading that helps you to focus your thoughts and to articulate what you find as interesting or important in the reading for your work (you pick which weeks).

15 Feb and 5 April: **Book Reviews** (40 pts each) due of a minimum of two books of authors from *The science studies reader*; and *The social shaping of technology* and/or *The Social construction of technological systems*. Please check out the journals of the field for a sample and length of a book review and notice that there are different types of book reviews: short, long and multiple. (In STS: *Science, Technology, and Human Values, Social Studies of Science, Technology and Culture*, to name a few examples.) If you have questions about what author/book to read, please consult with me and once you have selected your book, let me know what book you are planning to read and what type of review you will do.

**Final Paper**: Research paper on topic of your choice related to sociology of science, and/or technology. Approximately 30 pages. (100pts) This paper can feed into your dissertation or master thesis project and provide some foundation for it or be on another area of your choice. Please keep me posted as to the direction and focus of your paper through out the semester.

**Grading Scale**: 

<table>
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<tr>
<th>Points/Total Points</th>
<th>Grade</th>
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<tr>
<td>90% and above</td>
<td>A</td>
</tr>
<tr>
<td>80% to 89%</td>
<td>B</td>
</tr>
<tr>
<td>70% to 79%</td>
<td>C</td>
</tr>
<tr>
<td>60% to 69%</td>
<td>D</td>
</tr>
<tr>
<td>less than 59%</td>
<td>Failing</td>
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</table>

**General Notice**:

All writing assignments are to be typed with a 10 or 12 point font. If this is a hardship for you, please see me. Please use gender neutral pronouns (i.e. he/she, they) and proper citations. All written work is to be your own original work and may not have been submitted in another class for a grade. Plagiarism violates GaTech’s code of conduct and students who plagiarize will be reported to the Dean of Students. If you have any questions whatsoever, read the Honor Code and discuss it with me. It is available at: www.deanofstudents.gatech.edu/Policy/code.in.sections.htm#AHC.
Always use proper citation practices. If you have questions about writing and citation practices, please see me and/or the library’s website: http://www.library.gatech.edu/search/citation_guide.php. If it should happen that you need to deviate from the established syllabus in any way for any reason please be respectful of yourself, your classmates and the instructor by attending to the situation in a respectful, honest and professional manner.

Georgia Tech complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of a classroom accommodation, please make an appointment with the ADAPTS office to discuss the appropriate procedures as soon as possible in order for us to make appropriate modifications to ensure your success in HTS 6115. The website for ADAPTS is: http://adapts.gatech.edu. Please note that accommodations can only be made for the future.

The instructor reserves the right to alter the syllabus as needed. All changes will be announced in class and on T-Square. It is the student’s responsibility to stay informed.

Handbooks & Encyclopedias


Web resources:
http://www.sts.rpi.edu/pl/science-studies-reading-list
http://www.sts.rpi.edu/pl/technology-reading-list
http://www.racesci.org/home.html
http://www.4sonline.org/