**Dr. Carol A. Senf**

[carol.senf@lmc.gatech.edu](mailto:carol.senf@lmc.gatech.edu)

404-894-7003 (office)

404-894-2730 (main office)

Office Hours: …and by appointment

**LMC 3112: Evolution and the Industrial Age**

**Prerequisite:** English 1102

**Core Area/Attributes:** Humanities; Global Perspectives

**Course Description:** This class connects later nineteenth-century scientific and technological concepts and discoveries, particularly theories of evolution, to fictions of the industrial period. Students analyze the representation of science and technology in European and American short stories, novels, poetry, and scientific. Special attention will be paid to how science and social values overlap, particularly in narrative representations of ethnicity, gender, and class.

**Learning Outcomes:**

**•** Science and Technology Knowledge Construction: Students will understand that scientific and technological innovation occurs in a social context, and they will be able to recognize how the social influences scientific and technical discourses.

**•** Textual/Visual Analysis: Students will learn to read, analyze, and interpret not only cultural projects such as film, literature, art, and new media, but also scientific and technical documents.

• Interpretive Frameworks: Students will become familiar with a variety of social, political, and philosophical theories and be able to apply those theories to creative and scientific texts, as well as to their own cultural observations.

• Historical Analysis: Students will study literary and cultural texts within an historical framework to become familiar with the various forces that shape artistic and commercial production. They will learn to interpret history actively, rather than passively accepting archival information.

**Required Texts:** Charles Dickens, *Hard Times* (Broadview), Charles Darwin, *Origin of Species* (Broadview), Friedrich Engels, *The Condition of the Working Class in England* (Oxford), Hardy, *The Fiddler of the Reels and Other Stories* (Penguin), H.G. Wells, *The* *Island of Doctor Moreau* (Broadview), Bram Stoker, *Dracula* (Broadview), and Victorian women poets (T-Square).

**List of Graded Assignments:**

Wiki Entries (5) 25% (Industrialism 1 and Revision, Evolution, Poet, Georgia Tech)

Archives Presentation 15%

Literary Report & 10% (2-5 page paper)

Presentation 10%

Midterm 10% (essay and short-answer essay)

Final 20% (cumulative; essay & short essay)

Participation 10% (Meeting, Attendance, Topic and Group)

**Attendance Policy:** Because so much of this class focuses on student presentations, you are expected to attend class regularly and to bring both a notebook, a writing instrument, and whatever text we are discussing with you to class. (You will be permitted 3 absences, no questions asked; after that, absences will have a negative impact on your grade.) It is unfair for any student to present to an empty room, and I’m frankly not crazy about talking to the walls either.

**Students with Disabilities:** Any student who feels that he or she may need an accommodation for any sort of disability, please make an appointment to see me during my office hours. The Office of Disability Services for Students offers a variety of resources for students with disabilities. Learn more about the ADAPTS program here: http://adapts.gatech.edu.

**Honor Code:** You are expected to adhere to the requirements spelled out in the Georgia Tech Honor Code. (For a full version of the code, please check http://www.deanofstudents.gatech.edu/integrity/) Because several of the assignments involve group work (Archives Presentation and the Literary Report and Presentation), you will be allowed to work together. For all other assignments you are expected to work entirely on your own though I do encourage you to form study groups for the Midterm and Final. If you have any questions about what is or is not permitted in this class, please ask me.

**Weekly Schedule:**

**WEEK I**

Introduction to Course.

PBS: *Queen Victoria’s Empire*.

Engels, *Condition*.

**WEEK II**

Engels, *Condition*.

Dickens, *Hard Times.*

**WEEK III**

Dickens, *Hard Times*.

**Oral presentations**: Johnston (T-Square).

**WEEK IV**

Archives Assignment; become familiar with <http://www.library.gatech.edu/archives/index.html> and <http://www.library.gatech.edu/archives/tutorial.html>; be sure to have topics and groups by end of class.

Elizabeth Gaskell, *Libbie Marsh’s Three Eras* (http://www.lang.nagoya-u.ac.jp/~matsuoka/EG-Libbie.html).

**WEEK V**

*Libbie Marsh’s Three Eras.*

Samuel Smiles, *Self Help*, Chapter One. (<http://www.gutenberg.org/dirs/etext97/selfh10h.htm>); **Wiki 1 (Industrialism) due**.

**WEEK VI**

Samuel Smiles.

**Midterm**

Workshop on Revision (Wiki 1).

**WEEK VII**

Charles Darwin, *Origin*, Appendix A and Appendix B; Appendix G 1.i and ii; G 2.1; **Wiki 2 (Industrialism Revised) due**.

*Origin*, Appendix G 3; *Origin*, 95-98.

*Origin*, 99-177.

**WEEK VIII**

*Origin*, 202-224

Darwin, *Descent of Man* (*Origin,* 495-561).

**WEEK IX**

**Oral presentations**: Blind (T-Square).

**Oral presentations**: Bevington (T-Square).

**WEEK X**

**Oral presentations:** Kendall (T-Square).

**Oral presentations**: Naden (T-Square).

**Oral presentations**: Robinson (T-Square). **Wiki 3 (Evolution) due.**

**WEEK XI**

**Oral presentations**: Probyn (T-Square)..

**Oral presentations**: Watson (T-Square).

**Oral presentations**: Hardy, “An Imaginative Woman.”

**WEEK XII**

**Oral presentations**: Hardy, “A Tragedy of Two Ambitions.”

**Oral presentations**: Hardy, “For Conscience’ Sake.”

**Oral presentations**: Hardy, “The Son’s Veto.”

**WEEK XIII**

**Oral presentations**: Hardy, “The Fiddler of the Reels.”

**Oral presentations:** Hardy, “On the Western Circuit”; Wells, *The Island of Doctor Moreau*.

**Oral presentations**: Wells, *The Island of Doctor Moreau*.

**WEEK XIV**

Wells, *The Island of Doctor Moreau*; **Digital Copy of Presentation due.**

**Archives Presentation 1; Wiki 4 (Writer) due.**

**WEEK XV**

**Archives Presentation 2**.

**Archives Presentation 3.**

**Archives Presentation 4**; **Wiki 5 (GT) due.**

**WEEK XVI**

*Dracula*.

*Dracula*.

*Dracula***.**

**WEEK XVII**

Dec. 10-15 Final exams