**LMC 2100: Introduction to Science, Technology and Culture**

Professor Hugh Crawford

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Office Hours: TTh 9:30 and 11:00

**Course Prerequisites:** ENGL 1102

**Course Attributes:** Humanities

**Course Description:** As the introductory course to LMC’s Science, Technology and Culture thread, this course explores the ways in which disciplines construct and represent the knowledge they generate.

**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.
* Humanities Skills: Students will be able to describe the relationships among science, technology, and the narrative arts.

**Required Texts**:

Ludwick Fleck *The Genesis and Development of a Scientific Fact*

Bruno Latour *Science in Action*

Don Delillo *White Noise*

Neal Stephenson *The Diamond Age*

PDF files in T-Square resources folder

**Graded Assignments:**

2 Hour-long tests: 20% each, worth 40% of total grade

Final Project: 40% of total grade

Final Examination – 20%

**Attendance Policy** – class attendance is mandatory

**Students with Disabilities** should self-report to the Access Disabled Assistance Program for Tech Students (ADAPTS) at:

Smithgall Student Services Building, Suite 210
404-894-2563 (V)
404-894-1664 (TDD)
adaptsinfo@gatech.edu

If you are already registered with ADAPTS and expect to use any of your special accomodations in this class, please let me know as soon as possible so I can work with you and ADAPTS to ensure a good experience for us all.

**Honor Code** – all assignments will conform to the Georgia Tech Student Honor protocols: <http://www.honor.gatech.edu/plugins/content/index.php?id=9>

**Assignments:**

Week 1 **Theoretical Background**: Kuhn and Latour

Week 2 Latour continued, and Heidegger

Week 3 Gender and Science/Technology: Keller and Merchant

Week 4 **Historical Backgrounds**—Ludwik Fleck

Week 5 Fleck cont. and **Hour Test #1**

Week 6 **Biomedicine**: Film *Dr. Ehrlich’s Magic Bullet*

Week 7 S. Weir Mitchell, SP Gilman, and William Carlos Williams

Week 8 **Dwelling**: Serres, Bate, and Uexkull

Week 9 Ingold , Certeau, Wordsworth, **Hour Test #2**

Week 10 **Technologies of Representation**: Delillo

Week 11 Delillo

Week 12 Crary, Hayles, Bolter/Grusin

Week 13 Thacker, Milburn

Week 14 Stephenson

Week 15 Stephenson, exam review, **Final Projects Due**

**Final Examination**