Georgia Institute of Technology  
School of History, Technology, and Society  
HTS 3087: The History of Medicine, Fall 2012  
Boggs B6: Tuesday and Thursday, 1:35-2:55

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Office hours: TBA

Requirements  
I will provide a set of lectures on topics outlined in the weekly schedule. Your job is to read, attend class, take notes, ask questions, participate in discussion, study, and take exams. The exams are short-answer and are indicated on the weekly schedule. There are no make-up exams except in cases of emergencies supported by appropriate documentation. Grades are determined as follows:

1. Exam One -- 20%  
2. Exam Two -- 20%  
3. Exam Three -- 20%  
4. Final Exam -- 40%

Reading  
Readings indicated on the schedule are to be completed in advance of class meetings. The following required books are at Engineer's Bookstore:  
Steven Johnson, The Ghost Map.  
Sherwin Nuland, Doctors.

Learning Outcomes  
Students will:  
• demonstrate an understanding of the influence of diseases on global history.  
• master a standard narrative of western medical progress since the Renaissance.  
• demonstrate knowledge of the interplay of social, political, and economic forces with the history of medicine and public health in the West.  
• grasp the outlines of the evolution of medical education in Europe and America.

Note: All students are expected to abide by the Georgia Tech Honor Code. I do not allow the use by students of any electronic devices in the classroom. One point will be deducted from the final grade for each instance of this rule violation.
Weekly Schedule

Week One
8/21: The Black Death
No reading

8/23: The Impact of the Black Death

Week Two
8/28: Smallpox and the Global Balance of Power

8/30: Variolation, Vaccination, Eradication of Small Pox
And: http://www.nlm.nih.gov/exhibition/smallpox/

Week Three
9/4: Revolutionary and Counterrevolutionary Diseases

9/6: Exam One

Week Four
9/11: Ancient Legacies of Hippocrates and Galen
Read: Nuland, chs. 1-2.

9/13: The New Anatomy of Vesalius
Read: Nuland, ch. 3.
And: Andreas Vesalius, *De Humani Corporis Fabrica*, preface at: http://vesalius.northwestern.edu/flash.html
(section beginning “To the Divine Charles V...” and ending with the date August 1, A.D. 1542)

Week Five
9/18: Harvey and the Circulation of the Blood
Read: William Harvey, *De Motu Cordis*, Frankfurt, 1628, at: http://www.fordham.edu/halsall/mod/1628harvey-blood.html (chapters 2, 8, 9)
And: Nuland, ch. 5
9/20: Microscopy and the Debate over Spontaneous Generation
View: http://www.youtube.com/watch?v=Q2ezDdKyRUc

Week Six
9/25: French Revolution in Medicine
Read: Nuland, chs. 6, 8.

9/27: Exam Two

Week Seven
10/2: Surgery
Read: Nuland, chs. 4, 7.

10/4: Anesthesia
Read: Nuland, ch. 10.

Week Eight
10/9: Sanitation
Read: Edwin Chadwick, “Inquiry into the Sanitary Conditions of the Labouring Population” at:
http://www.victorianweb.org/history/chadwick2.html

10/11: Cholera and Public Health
Read: Steven Johnson, The Ghost Map.

Week Nine
10/18: The Origin of Germ Theory
Read: Nuland, ch. 9.

Week Ten
10/23: Pasteur, Koch, and Lister
And: Nuland, ch. 12.

10/25: Exam Three

Week Eleven
10/30: Malaria
No reading.

11/1: Yellow Fever
Film: The Great Fever
No reading.
Week Twelve
11/6: Antibiotics

11/8: Medical Education in America, part one

Week Thirteen
11/13: Medical Education in America, part two
Read: Nuland, chs. 13, 14.

11/15: Medical Education Today

Week Fourteen
11/20: Being a Doctor
Guest speaker: Dr. Steven Shore (pediatrician)

Week Fifteen
11/27: Public Health in America

11/29: AIDS
Read: http://www.cdc.gov/hiv/topics/basic/index.htm

Week Sixteen
12/4: AIDS and global health
Guest speaker: Dan Kidder (from CDC)

12/6: Review for exam
**FINAL EXAM is on 12/11, 2:50-5:40**