Professor John L. Tone
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Office hours:

Requirements
I will provide a set of lectures on topics outlined in the weekly schedule. Your job is to attend class, take notes, ask questions, complete reading assignments, participate in discussion, and sit for quizzes and exams. Attendance is mandatory. Absences are not acceptable except in cases of emergencies supported by appropriate documentation. Grades are determined as follows:

1. Exam One (in-class essay) -- 20%
2. Exam Two (in-class essay) -- 30%
3. Reading Quizzes (in-class short answer) -- 20%
4. Final Exam (in-class short answer) -- 30%
5. The first unexcused absence will result in the subtraction of 1 point from your final grade. A second unexcused absence will each produce a subtraction of 2 points from your final grade. Each additional unexcused absence will produce a subtraction of 5 points from your final grade. Don’t miss class.

Reading
Readings indicated on the schedule are to be completed in advance of class meetings. The following required books are at Engineer’s Bookstore:
Sherwin Nuland, Doctors.
Howard Markel, When Germs Travel.

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

Part One: Disease and History

Week One
8/21: The Black Death, Origin and Identity
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, and Eradication

Week Three
9/4: Potato Blight and Famine
No reading

9/6: Influenza
In-class screening and discussion: Influenza, 1918.
Read: Jeffery K. Taubenberger and David M. Morens, “1918 Influenza: the Mother of All Pandemics,” at: http://www.cdc.gov/ncidod/eid/vol12no01/05-0979.htm

Week Four
9/11: Revolutionary and Counterrevolutionary Diseases

9/13: Exam One
Part Two: The Emergence of Western Medicine

Week Five
9/18: Ancient Legacies -- Hippocrates and Galen
Read: Nuland, chs. 1-2.

9/20: 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 Six
9/25: 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

9/27: Microscopy
View: http://www.youtube.com/watch?v=Q2ezDdKyRUs

Week Seven
10/2: Enlightened Medicine
Read: Nuland ch. 6.

10/4: French Revolution in Medicine
Read: Nuland, ch. 8.

Week Eight
10/9: Surgery
Read: Nuland, chs. 4, 7.

10/11: Anesthesia
Read: Nuland, ch. 10

Week Nine
10/18: Sanitation, Cholera, and the Birth of Public Health
Read: Edwin Chadwick, “Inquiry into the Sanitary Conditions of the Labouring Population” at:
http://www.victorianweb.org/history/chadwick2.html.
And: John Snow, Cholera and the Water Supply, at:
Week Ten
10/23: The Origin of Germ Theory
Read: Nuland, ch. 9.

10/25: Pasteur, Koch, and Lister
Nuland, ch. 12

Week Eleven
10/30: Exam Two

Part Three: Contemporary Issues in Health and Medicine

11/1: Malaria

Week Twelve
11/6: Public Health in America -- Tuberculosis and Trachoma
Read: Markel, chs. 1, 3.

11/8: Public Health in America -- Typhus and AIDS
Read: Markel, chs. 4, 5.

Week Thirteen
11/13: Medical Education in America
Read: Nuland, ch. 13.
And: The Flexner Report, introduction and part one, at:

11/15: Medical Education Today
Read: Melvin Konner, Becoming a Doctor: A Journey of Initiation in Medical School, New York, Penguin, 1988, ch. 3. On T-Square.

Week Fourteen
11/20: Yellow Fever
No reading.
Week Fifteen
11/27: Being a Doctor
Guest speaker: Dr. Steven Shore

11/29: Taking the MCATs
Guest speaker: Jennifer Kimble, Director GT Pre-Health

Week Sixteen
12/4: AIDS and global health
Guest speaker: Dr. from CDC

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