

# History of Modern Medicine

## HSMT 140.106

Spring 2018 SYLLABUS

<b>Time for Lecture</b>	M W 10:00-10:50 am
<b>Location for Lecture</b>	Gilman Hall 50
<b>Sections</b>	Section 1: Gilman 75 (F 10:00-10:50)    Section 4: Gilman 75 (F 9:00-9:50) Section 2: Ames 218 (F 10:00-10:50)    Section 5: Ames 218 (F 9:00-9:50) Section 3: Shaffer 202 (F 10:00-10:50)    Section 6: Shaffer 202 (F 9:00-9:50)
<b>Instructors</b>	Professors Randall Packard (course director), Jeremy A. Greene, and Graham Mooney
<b>Emails</b>	<a href="mailto:rpackar2@jhmi.edu">rpackar2@jhmi.edu</a> , <a href="mailto:greeneg@jhmi.edu">greeneg@jhmi.edu</a> , <a href="mailto:gmooney3@jhmi.edu">gmooney3@jhmi.edu</a>
<b>Office Hours</b>	Mondays, 11am-1pm (and by appointment)
<b>Location</b>	Gilman Hall, 369b
<b>TAs</b>	Emily Clark ( <a href="mailto:eclark34@jhmi.edu">eclark34@jhmi.edu</a> ) Samuel Scharff ( <a href="mailto:sam.scharff@jhmi.edu">sam.scharff@jhmi.edu</a> ) Anna Weerasinghe ( <a href="mailto:aweeras1@jhmi.edu">aweeras1@jhmi.edu</a> )
<b>Overview</b>	This course introduces main themes in the history of modern medicine, and traces the changing experience of health, disease, and the healing professions from the 18th century to the early 21st century. Topics include: the shifting burden of disease; the evolving culture of the medical and allied health professions; the history of race, gender, and the body; the social meanings of disease; relationships between science, industry, and medical practice; the changing doctor patient-relationship; and the role of history in health policy.
<b>Learning Objectives</b>	<ol style="list-style-type: none"><li>1. Analyze the development of medical knowledge in historical context, from the 18th century to the present.</li><li>2. Compare and contrast the variety of healing practices in Europe and North America.</li><li>3. Describe efforts to transform institutions of medical education, research, and practice.</li><li>4. Relate changing burdens of disease to wider changes in societies and their healthcare systems.</li><li>5. Interpret a variety of types of primary and secondary sources.</li></ol>
<b>Participation</b>	This is a lecture course, with an active discussion section. You are expected to attend all lectures, read and reflect on the assigned texts, pose relevant questions, and offer informed and thoughtful responses in both lecture (including iClicker polls) and section. Discussion sections are an integral part of the course and do not duplicate the lectures; unexcused absences from sections will be deducted from the participation grade.
<b>Response Papers</b>	Five short (2 page) written response papers will be due by noon on Thursday during the first half of the course.
<b>Final Project</b>	Working independently, you will write a short paper (5-8 pages) situating a primary historical source from the collections of the Welch Medical Library or the Alan Mason Chesney Archives of the Johns Hopkins Medical Institutions. This project will involve the identification, analysis, and contextualization of a primary source, gathered through online and/or collections based research, using other secondary sources. Selection of a primary source will be due March 28, a full proposal with secondary sources will be due April 11, and final papers will be due on May 2.
<b>Plagiarism</b>	We will be working closely with students to ensure proper citation of sources. As per University policy, any use of another person's words or ideas, taken directly or paraphrased, without citing the source is plagiarism; this includes taking material from the Internet without citing the website. For Johns Hopkins' policies on plagiarism and proper sourcing, please refer to <a href="http://krieger.jhu.edu/writingcenter/writing_resources/">http://krieger.jhu.edu/writingcenter/writing_resources/</a> for questions on how to properly cite your sources in please refer to the "Research Guide" page on the course website.
<b>Laptop Usage</b>	If you plan to bring a laptop to lecture or section to take notes, we ask that you only use it for that purpose and switch off the wireless capability. Other uses during class time – from checking email, to instant messaging, to chasing up references online—are discourteous, disruptive, and ultimately, detrimental to your own learning.
<b>Disabilities</b>	If you are a student with a disability or believe you might have a disability that requires accommodations, please contact Student Disability Services at 410-516-4720, <a href="mailto:studentdisabilityservices@jhmi.edu">studentdisabilityservices@jhmi.edu</a> , or in-person at 385 Garland Hall. Please also contact the course director before the end of the second week of the semester so that we can make any necessary accommodations.

**Evaluation**

Grades will be based on:

● <i>Response papers</i>	20%	March 12 Choice of source due March 5 Due March 28 Due April 11 Due May 2
● <i>Midterm exam</i>	15%	
● <i>Final Project</i> -( <i>Primary Source Analysis</i> ) -( <i>Proposal with Secondary Source Analysis</i> ) -( <i>Full Paper</i> )	20%	
● <i>Final Exam</i>	25%	
● <i>Attendance and participation in lectures and section</i>	20%	( <i>Date to be announced</i> )

**Required Texts**

The following books are available at the JHU Bookstore and are on reserve at Eisenhower:

- Bynum, William F. *Science and the Practice of Medicine in the Nineteenth Century*. Cambridge: Cambridge University Press, 1994.
- Lindemann, Mary. *Medicine & Society in Early Modern Europe*. Cambridge: Cambridge University Press, 2010.
- Rosenberg, Charles E. *The Cholera Years: The United States in 1832, 1849, and 1866*. Chicago: University of Chicago Press, 1987 [1962].

**Recommended Texts**

The following books are NOT REQUIRED to cover the core material of the course, but will be available at the JHU Bookstore and are on reserve at Eisenhower:

- Brandt, Allan M. *The Cigarette Century: The Rise, Fall and Deadly Persistence of the Product that Defined America*. New York: Basic Books, 2007
- Bynum, William F., Anne Hardy, Stephen Jacyna, Christopher Lawrence, E.M. (Tilli) Tansey. *The Western Medical Tradition: 1800-2000*. Cambridge: Cambridge University Press, 2006.
- Greene, Jeremy A. *Prescribing by Numbers: Drugs and the Definition of Disease*. Baltimore: Johns Hopkins University Press, 2007.
- Leavitt, Judith Walzer, and Ronald Numbers. *Sickness & Health in America, 3<sup>rd</sup> Ed.* Madison: University of Wisconsin Press, 1997.
- Mooney, Graham. *Intrusive Interventions: Public Health, Domestic Space and Infectious Disease Surveillance in England, 1840-1914*. Rochester: Rochester University Press, 2015.
- More, Ellen S., Elizabeth Fee, and Manon Parry, editors. *Women Physicians and the Cultures of Medicine*. Baltimore: Johns Hopkins University Press, 2008.
- Packard, Randall. *History of Global Health: Interventions Into the Lives of Other Peoples*. Baltimore: Johns Hopkins University Press, 2016.
- Packard, Randall. *The Making of a Tropical Disease: A Short History of Malaria*. Baltimore: Johns Hopkins University Press, 2007.
- Rosenberg, Charles E. *The Care of Strangers: The Rise of America's Hospital System*. Baltimore: Johns Hopkins University Press, 1995 [1992].

Course Schedule	
<p><b>Week 1</b> January 29 January 31</p> <p><b>Week 2</b> February 5 February 7</p> <p><b>Week 3</b> February 12 February 14</p>	<p><i>I. Medicine and Modernity in the Enlightenment</i></p> <p><b>Early Modern Medicine</b> Introduction: Medicine and Modernity (Greene, Mooney, Packard) Living and Dying in the Ancien Regime (Mooney)</p> <p><b>Medicine in the Enlightenment</b> Medical Theory and Practice (Greene) Epidemics and Medical Police (Mooney)</p> <p><b>Medical Geographies</b> Transatlantic Commerce in Health and Disease (Greene) Body, Place, Health, and Race (Packard)</p>
<p><b>Week 4</b> February 19 February 21</p> <p><b>Week 5</b> February 26 February 28</p> <p><b>Week 6</b> March 5 March 7</p> <p><b>Week 7</b> March 12 March 14</p>	<p><i>II. Medicine and Society in the Early 19th Century</i></p> <p><b>Clinic, Hospital, Asylum</b> Birth of the Clinic [President's Day] (Greene) The Hospital and the Asylum (TBA)</p> <p><b>Medicine and the Marketplace</b> Practitioners and Patients (Greene) Profession of Medicine (Greene)</p> <p><b>Sciences of Difference</b> Medical Science and the Production of Race (Greene) Gender in the Clinic (Greene)</p> <p><b>Public Health and the State</b> <i>MIDTERM EXAM</i> Cholera and 19th Century Public Health Reforms (Mooney)</p> <p><b>SPRING BREAK</b></p>
<p><b>Week 8</b> March 21 March 28</p> <p><b>Week 9</b> April 2 April 4</p> <p><b>Week 10</b> April 9 April 11</p>	<p><i>III. The Consolidation of Biomedicine</i></p> <p><b>Therapeutic Revolutions</b> Anesthesia, Antisepsis, and the Transformation of Surgery (Mooney) Bacteriology and the New Public Health (Mooney)</p> <p><b>Laboratory Medicine</b> The Laboratory and the Clinic (Mooney) The Normal and the Pathological (Greene)</p> <p><b>Institutional Reforms</b> Modernizing the Hospital (Greene) Educational Reform and Professional Control (Greene)</p>
<p><b>Week 11</b> April 16 April 18</p> <p><b>Week 12</b> April 23 April 25</p> <p><b>Week 13</b> April 30 May 2</p>	<p><i>IV. Biomedicine in Context</i></p> <p><b>Biomedical Research and its Subjects</b> Clinical Research and its Consequences (Comfort) Evidence, Policy, and Practice (Greene)</p> <p><b>Biomedical Practice and its Critics</b> Risk, Behavior, and Diseases of Civilization (Mooney) Illness, Identity, and Citizenship (Comfort)</p> <p><b>Global Formations</b> Legacies of Colonial Medicine (Packard) The Globalization of Health (Packard)</p>

COURSE OUTLINE	
<b>Week 1</b>	<b>Early Modern Medicine</b>
	<p>Lindemann, <i>Medicine &amp; Society in Early Modern Europe</i>, 11-49, 84-90, 141-142.  “The Sick may have Advice for Nothing” advertisement c. 1680.  A general bill of all the christenings and burials, from the 16. of December, 1684, to the 15. of December, 1665. According to the report made to the Kings Most Excellent Majesty: by the Company of Parish Clerks of London &amp;c.</p>
<b>Week 2</b>	<b>Medicine in the Enlightenment</b>
<i>Response paper #1 due</i>	<p>Lindemann, <i>Medicine &amp; Society</i>. “Medicine and the enlightenment,” and “Theory and therapeutics” and “Hospitals in context” 109-120, 170-176.  Laurel Thatcher Ulrich. “Martha Moore Ballard and the Medical Challenge to Midwifery” In Judith W. Leavitt and Ronald L. Numbers, editors, <i>Sickness and Health in America: Readings in the History of Medicine and Public Health, 3rd Edition</i> (Madison: University of Wisconsin Press, 1997): 72-82.  Nicholas Culpeper, <i>The English Physician Enlarged; With Three hundred and Sixty Nine Medicines, Made of English Herbs, That Were Not in any impression until this.</i> London: J. Churchill, 1708, index, “Dandelyon,” “Garlick” “Motherwort” Tobacco” pp. 111-112, 148-9, 220-1, 324-6.  William Buchan, “Diseases of Women” in <i>Domestic Medicine</i>, Philadelphia: J. Cruickshank etc., 1793. 521-22.</p>
<b>Week 3</b>	<b>Medical Geographies</b>
<i>Response paper #2 due</i>	<p>Karen Ordahl Kupperman. “Fear of hot climates in the Anglo-American colonial experience,” <i>William and Mary Quarterly</i> 1984; 41(2): 213-40.  James Lind, <i>An Essay on Diseases Incidental to Europeans in Hot Climates</i> 2<sup>nd</sup> ed., London: T. Becket and T. A. de Hondt, 1771. Table of contents, and pp. 60-71. online at <a href="http://books.google.com/books?id=kFKl4T9AfzUC&amp;printsec=frontcover&amp;source=gbs_ge_summary_r&amp;cad=0#v=onepage&amp;q&amp;f=false">http://books.google.com/books?id=kFKl4T9AfzUC&amp;printsec=frontcover&amp;source=gbs_ge_summary_r&amp;cad=0#v=onepage&amp;q&amp;f=false</a>  Absalom Jones, <i>A Narrative of the Proceedings of the Black People, During the Late Awful Calamity in Philadelphia, in the Year 1793: and a Refutation of Some Censures, Thrown Upon Them in Some Late Publications.</i> Philadelphia: William W. Woodward, 1794. Pp. 3-11.</p>
<b>Week 4</b>	<b>Clinic, Hospital, Asylum</b> [note: begin reading <i>The Cholera Years</i> this week]
<i>Response paper #3 due</i>	<p>Lindemann <i>Medicine &amp; Society</i> pp. 157-70, 188-92.  Bynum, <i>Science and Practice</i> pp. 25-54.  R.T.H. Laennec, <i>A Treatise on Diseases of the Chest</i>, 1819. 297-310.  Pierre Charles Alexandre Louis, <i>Researches on the Effects of Bloodletting in Some Inflammatory Diseases</i>, trans. C. G. Putnam, Boston: Hilliard, Gray, &amp; Company, 1836. 1-12</p>
<b>Week 5</b>	<b>Medicine and the Marketplace</b>
<i>Response paper #4 due</i>	<p>Samuel Thomson, “On giving poison as medicine” and other excerpts in <i>A Narrative of the Life and Discoveries of Samuel Thomson</i>, 8<sup>th</sup> ed. Columbus OH: Platt, Pike &amp; Co., 1832. 41-51, 55-60.  John Gunn, “Dropsy,” Selections from Gunn’s Domestic Medicine, or Poor Man’s Friend (New York: Saxton, Barker &amp; Co., 1860): pp.344-8.  Daniel Drake, “Essay III: Medical Colleges,” <i>Practical Essays on Medical Education and the Medical Profession in the U.S.</i> (Cincinnati: Roff &amp; Young, 1832): pp. 45-59.</p>
<b>Week 6</b>	<b>Sciences of Difference</b>
<i>Response paper #5 due</i>	<p>Stephen Jay Gould, “American polygeny and craniometry before Darwin” <i>The Mismeasure of Man</i>. New York: W.W. Norton, 1996. Pp. 62-104.  Edward H. Clarke, <i>Sex in Education; or, A Fair Chance for Girls</i> (Boston: James R. Osgood and Company, 1874): pp. 31-9, 76-85.  Mercy Bisbee Jackson, “Sex and Education.” In Julia Ward Howe, editor, <i>Sex and Education</i>. A Reply to Dr. E.H. Clarke’s ‘Sex in Education.’ (Boston: Robert Brothers, 1874): pp. 150-63.</p>
<b>Week 7</b> (Midterm)	<b>Public Health and the State</b>
	<p>Charles E. Rosenberg, <i>The Cholera Years: The United States in 1832, 1849, and 1866.</i> (Chicago: University of Chicago Press, 1962, 1987).  Bynum, <i>Science and Practice</i> 55-91.</p>

<b>Week 8</b>	<b>Therapeutic Revolutions</b>	<p>Bynum, <i>Science and Practice</i> 127-141, 158-164</p> <p>“Discussion on the advisability of the registration of tuberculosis” <i>Transactions of the College of Physicians of Philadelphia</i> 1894; 16:1-27</p> <p>Nancy Tomes, “The private side of public health” in Leavitt and Numbers, editors, <i>Sickness and Health in America: Readings in the History of Medicine and Public Health</i>, 3<sup>rd</sup> Edition (Madison: University of Wisconsin Press, 1997): pp 506-28.</p>
<b>Week 9</b>	<b>Laboratory Medicine</b>	<p>Bynum, <i>Science and Practice</i> 92-127, 136-41</p> <p>Claude Bernard, <i>An Introduction to the Study of Experimental Medicine</i> [1865] New York: Dover Editions, 1957. 1-3, 32-35, 62-71.</p> <p>William H. Draper, “On the relations of scientific to practical medicine” <i>Transactions of the Association of American Physicians</i> 1889; 3: 1-8</p> <p>Richard C. Cabot, “The historical development and relative value of laboratory and clinical methods of diagnosis,” <i>Boston Medical and Surgical Journal</i> 1907; 157: 150-153</p> <p>Carhart, J.W. “The clinical thermometer.” <i>Medical and Surgical Reporter</i> 72 (1895): 119-21</p>
<b>Week 10</b>	<b>Institutional Reforms</b>	<p>Bynum, <i>Science and Practice</i>. 176-217</p> <p>Abraham Flexner, <i>Medical Education in the United States and Canada: A Report to the Carnegie Foundation for the Advancement of Teaching, Carnegie Foundation Bulletin Number 4</i> (New York City, 1910), pp. 28-51, 143-146, 152-153, 178-181, and 251-259</p> <p>Isabella Vandervall “Some problems of the colored woman physician’s” <i>Woman’s Medical Journal</i> 1917; 27: 156-8.</p> <p>Joel D. Howell, “Clinical Use of the X-Ray Machine: The Newest Technology at the Oldest Hospitals” in <i>Technology in the Hospital: Transforming Patient Care in the Early Twentieth Century</i>. Baltimore: Johns Hopkins University Press, 1995, 103-132.</p>
<b>Week 11</b>	<b>Biomedicine and its Subjects</b>	<p>United States Department of Health, Education, and Welfare, <i>Final Report of the Tuskegee Syphilis Study Ad Hoc Advisory Panel</i> (Government Printing Office: Washington, DC, 1973) excerpts</p> <p>Allan M. Brandt, “Racism and research: The case of the Tuskegee Syphilis Study,” In Leavitt and Numbers, editors, <i>Sickness and Health in America</i>. pp. 392-404.</p> <p>Evelynn Hammonds, “Your Silence Will Not Protect You: Nurse Rivers and the Tuskegee Syphilis Study,” <i>Tuskegee’s Truths: Rethinking the Tuskegee Syphilis Study</i>, ed. Susan Reverby (Chapel Hill: UNC Press, 2000) pp. 340-7</p> <p>Susan M. Reverby, “Ethical Failures and History Lessons: The U.S. Public Health Service Research in Tuskegee and Guatemala” <i>Public Health Reviews</i> 2011; 34(1):1-18</p>
<b>Week 12</b>	<b>Biomedical Practice and its Critics</b>	<p>Beatrix Hoffman, “The Rise of Health Care Activism” Chapter 7 in <i>Health Care for Some: Rights and Rationing in the United States Since 1930</i>. Chicago: University of Chicago Press, 2012. pp. 143-176. (plus notes)</p> <p>Thomas McKeown. <i>The Role of Medicine: Dream, Mirage, or Nemesis?</i> Princeton, N.J: Princeton University Press; 1979, pp. 176-189.</p> <p>Alex Mold, “Patients’ Rights and the National Health Service in Britain, 1960s-1980s”. <i>American Journal of Public Health</i> 2012; 102(11): 2030-8</p>
<b>Week 13</b>	<b>Global Formations</b>	<p>Allan M. Brandt, “Exporting an Epidemic” in <i>The Cigarette Century: The Rise, Fall, and Deadly Persistence of the Product that Defined America</i> (New York: Basic Books, 2007) pp. 449-91. (+ notes, p. 570-77)</p> <p>Randall Packard, “Medicalizing Global Health” in <i>History of Global Health: Interventions Into the Lives of Other Peoples</i>. Baltimore: Johns Hopkins University Press, 2016. (305-328+notes)</p> <p>Ethan Watters, “The Americanization of Mental Illness” <i>New York Times Magazine</i> 8 January 2010.</p> <p>William C. Gorgas, “The conquest of the tropics for the white race,” <i>Journal of the American Medical Association</i>, June 19, 1909, 52 (25): 1967-1969</p> <p>Julie Livingston, <i>Improvising Medicine: An African Oncology Ward in an Emerging Cancer Epidemic</i>. Durham: Duke University Press, 2012. 52-84 (notes, 190-3).</p>