

History of Science 140.106 HISTORY OF MODERN MEDICINE: 18th-20th CENTURIES

SPRING, 2009

Welcome to the History of Modern Medicine, 18th-20th century. We will be meeting Monday-Wednesday-Friday, 10-11 a.m. On lecture days, we will be meeting in Shaffer 304; on Fridays, you will usually meet with your section leaders. The readings for the course are listed below; and are **either** on reserve at Eisenhower or in the bookstore.

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Requirements and grading: Successful completion of this course requires that you regularly attend lectures, participate in discussions and keep up with the readings. Your grade will be based on the following: 1) participation in discussion section (15%); 2) written assignments (25%); 3) mid-term (30%); 4) final (30%).

- Required Texts (in bookstore):

Allan M. Brandt, No Magic Bullet. New York: Oxford University Press, 1987.

William F. Bynum, Science and Medical Practice in the 19th Century. New York: Cambridge University Press, 1994.

Mary Lindemann, Medicine & Society in Early Modern Europe. New York: Cambridge University Press, 1999.

William Rothstein, Readings in American Health Care. Current Issues in Socio-Historical Perspective. Madison: University of Wisconsin Press, 1995.

Laurel Thatcher Ulrich, A Midwife's Tale. New York: Vintage Books, 1990.

January 26th Introduction

January 28th The Theoretical Basis of Medicine

READ:

Nancy M. Siraisi, Medieval and Early Renaissance Medicine. University of Chicago Press, 1990, pp. 115-123, 133-136.

Lindemann, Medicine & Society, "Experiencing the Body", pp. 12-17

January 30th Living and Dying in the Ancien Regime

READ:

Lindemann, Medicine & Society, "What Ailed People?", pp. 21-28, 48-62

February 2nd Medical Practice and Practitioners in the Ancien Regime

READ:

Lindemann, Medicine & Society, "Practice," pp. 200-206, 212-230
Seventeenth-century London advertisements for practitioners: "Advertisement"; Margaret Searl; J. Case; "The Sick may have Advice for nothing".)

February 4th Hospitals

READ:

Lindemann, Medicine & Society, "Hospitals and asylums," pp. 120-154

February 6th Discussion:

John M.T. Ford (ed), A Medical Student at St Thomas's Hospital, 1801-1802. The Weekes Family Letters, London: Wellcome Inst., 1987, Letters 4-7, 9, pp. 37-47, 48-50.

Jacques Tenon, Memoirs on Paris Hospitals, ed. Dora B. Weiner, Canton, Ma: Science History Publications, 1996, pp. 117-122, 131-139, 166-183, 201-204, 208-209, 341-354.

February 9th The Atlantic Traffic in Disease

READ:

Colin G. Calloway, New Worlds for All. Indians, Europeans and the Remaking of Early America. Baltimore: Johns Hopkins University Press, 1997, pp. 24-41, 202-203.

February 11th Categorizing the Body: Gender and Race

February 13th Discussion

Laurel Thatcher Ulrich, A Midwife's Tale, pp. 1-71; 162-203.

William Buchan, Domestic Medicine, Philadelphia: J Cruikshank, etc., 1793, "The Diseases of Women"; pp. 521-522.

February 16th Policing the Body, Policing Society: Hygiene in the 18th Century

READ:

Lindemann, Medicine & Society, "Military Hospitals", pp. 141-146; "Peoples and Places", pp. 177-184.

February 18th Fevers, Miasma and Public Health Reform

READ:

Bynum, Science & Practice, pp. 55-91.

February 20nd Discussion:

Johann Peter Frank [1790], "Academic Address on the People's Misery: Mother of All Diseases," Bulletin of the History of Medicine 9 (1941), [first published 1790], 88-100.

James Lind, An Essay on Diseases Incidental to Europeans in Hot Climates. 2nd edition. London: T. Becket and T.A. de Hondt, 1771, pp. 46-51; 55-58.

[James Grainger], An Essay on the More Common West Indian Diseases....., London, 1764, pp i-v, 7-8, 11-12.

February 23rd Epidemics: Cholera in the 19th Century 1st paper due

READ:

Richard J. Evans, "Epidemics and Revolution: Cholera in 19th Century Europe," Past & Present 120 (August, 1988), 123-146.

February 25th Mechanizing the Body

READ:

Lindemann, Medicine & Society, "The New Science and the Iatromedicines", pp. 77-85.

February 27th Discussion:

W.P. Alison, Observations on the Generation of Fever, Local Government Board, Report No 2. British Parliamentary Papers: Health. Shannon: Irish University Press, 1971-73.

Edwin Chadwick, Report on the Sanitary Condition of the Labouring Classes of Great Britain [1842]. Edinburgh: Edinburgh University Press, 1962, pp. 163-170; 181-182; 195-201.

March 2nd Seeing the Body: The Paris Clinic

READ:

Bynum, Science and Practice, pp. 25-46

March 4th Medical Practice in the 19th Century: Europe

READ:

Irvine Loudon, "Medical Practitioners 1750-1850 and the Period of Reform in Britain," in Andrew Wear, ed. Medicine in Society. Cambridge University Press, 1992, pp. 219-248

March 6th Discussion

R.T.H. Laennec, A Treatise on Diseases of the Chest, [1821], pp. 1-16, 297 – 310.

March 9th Medical Practice in the United States.

READ:

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Barbara Gutmann Rosenkrantz, "The Search for Professional Order in 19th Century American Medicine," in Judith Waltzer Leavitt and Ronald Numbers, Sickness and Health in America. University of Wisconsin Press, 1995, pp. 219-232.

March 11th Therapeutics

March 13th MID TERM EXAM

March 16th-22nd SPRING BREAK NO CLASSES

March 23rd Scientific Medicine (1): Physiology

READ:

Bynum, Science and Practice, pp. 92-127

March 25th Scientific Medicine (2): Inside the Cell

READ:

William Coleman, "Form: Cell Theory," in Biology in the Nineteenth Century. New York: Wiley, 1971, 16-34.

March 27th Discussion:

Francois Magendie, "Some General Ideas on the Phenomena Peculiar to Living Bodies [1809]," in Studies in History of Biology 1 (1977), 107-115.

Rudolf Virchow, "Standpoints in Scientific Medicine," in Disease, Man and Life. Selected Essays of Rudolf Virchow, ed. L.J. Rather, Stanford University Press, 1958, pp. 26-39.

William H. Draper, "On the Relations of Scientific to Practical Medicine," Transactions of the Association of American Physicians 3 (1889), 1-8.

March 30th Scientific Medicine (3): Germ Theory

READ:

Bynum, Science and Practice, pp. 127-136.

Russell C. Maulitz, "Robert Koch and American Medicine," Annals of Internal Medicine 97 (1982), 761-766.

April 1st The Advent of Antiseptic Surgery

April 3rd Discussion:

Robert Koch, "The Etiology of Tuberculosis [1884]" in Essays of Robert Koch. New York: Greenwood Press, 1987), 129-150.

"Discussion on the Advisability of the Registration of Tuberculosis," Transactions of the College of Physicians of Philadelphia 16 (1894), 1-27

April 6th Policing the Body in the 20th Century: The New Public Health

READ:

Alan Brandt, No Magic Bullet, Chapter 1-3

April 8th Demographic Transitions: Did Medicine Matter?

April 10th Discussion:

George A. Soper, "Typhoid Mary," Military Surgeon 45 (July, 1919), 2-15.

William Henry Welch, "Sanitation In Relation to the Poor [1891]," in W.H. Welch, Papers and Addresses. Baltimore: The Johns Hopkins Press, 1920, vol. 1, 588-598

L.C. Allen, "The Negro Health Problem," American Journal of Public Health n.s. 5 (1915), 194-202.

April 13th Medical Careers in the 20th Century 2nd paper due

READ:

David M. Hughes, "Twenty Five Years of Country Practice," and Joel D. Howell, "The Changing Face of American Cardiology," in Rothstein, Readings in American Health Care, pp. 3-11, 163-176.

Morantz-Sanchez, Sympathy & Science, pp. 266-311.

April 15th The 20th Century Hospital

READ:

Joel Howell, "Machines and Medicine" in Diana Elizabeth Long and Janet Golden, The American General Hospital: Communities and Social Contexts. Ithaca: Cornell University Press, 1989, pp. 109-134.

Anne Rivington, "Motherhood-Third Class," American Mercury 31 (1934)

April 17th Discussion:

Abraham Flexner, Medical Education in the United States and Canada. New York: Carnegie Foundation for the Advancement of Teaching, 1910, 21-27; 42-59, 141-146, 151-155, 178-181

Responses to Flexner (HSPH, 1982).

Isabella Vandervall, "Some Problems of the Colored Woman Physician's," Woman's Medical Journal 27 (1917), 156-158.

April 20st Disease in the 20th Century (1): Medicine & Mortality

April 22nd Discussion:

Chris Feudtner, "The Want of Control: Ideas, Innovations and Ideals in the Modern Management of Diabetes Mellitus," Bulletin of the History of Medicine 69 (Spring, 1995), 66-90. Earl Koos, "The Health of Regionville," in Rothstein, Readings in American Health Care, pp. 12-24.

April 24th No Class

April 27th Disease in the 20th Century (2): Systems and Machines

READ:

Joel D. Howell, "Cardiac Physiology and Clinical Medicine. Two Case Studies," in Gerald L. Geison, ed. Physiology in the American Context. Bethesda, American Physiological Society, 1987, 279-292.

April 29th Medical Therapeutics in the 20th Century: The State and the Market

READ:

William Rothstein, "Pharmaceuticals and Public Policy in America: A History," in Rothstein, Readings in American Health Care, pp. 375-391.

May 1 Medicine and the State: Paying for Health

READ:

Rashi Fein, "Medical Care, Medical Costs: The Search for a Health Insurance Policy," and Stephen F. Jencks and George J. Schieber, "Containing United States Health Costs: What Bullet to Bite," in Rothstein, Readings in American Health Care, pp. 307-322.