Syllabus — History of Medicine 5200
"Early History of Medicine to 1800"
Fall 2003 – 10:10-11 a.m. Mondays & Wednesdays – 170 Physics
Discussion: 11:15 a.m. - 12:05 Thursdays

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Office hours: 12-2 p.m. Wednesdays, or by appointment

Concurrent lectures with HMed 3001

Unit I: Ancient Medicine in the West

WEEK 1 READING LOAD: 5200 = 72 pages

SEPTEMBER

3 Wed. Introduction; Ritual and rational healing in the ancient world.

☞James Henry Breasted (ed. and trans.), *The Edwin Smith Surgical Papyrus*, vol. 1 (Chicago: University of Chicago Press, 1930), cases 4-6 (pp. 432-35), incantations 1-5 (pp. 501-2), recipe for rejuvenation (p. 506). [5 pages]
☞ Hippocrates: "Oath," and "Sacred Disease," in G.E.R. Lloyd (ed.), *Hippocratic Writings* (London: Penguin Books, 1983). [18 pages]
☞ James Longrigg, *Greek Medicine From the Heroic to the Hellenistic Age: A Source Book* (New York: Routledge, 1998), pp. 5-14. [10 pages]
☞ I.M. Stead and R.C. Turner, "Lindow Man: An Ancient Body from a Cheshire Bog," *Trans. of the Lancashire and Cheshire Antiquarian Society* 84 (1987): 1-14. [15 pages]
☞Guido Majno, *The Healing Hand: Man and Wound in the Ancient World* (Cambridge, MA: Harvard University Press, 1975), pp. 61, 63-64, 115-122, 124. [12 pages]
☞Mary E. Lewis, et al., Inflammatory Bone Changes in Leprous Skeletons from the Medieval Hospital of St. James and St Mary Magdalene, Chichester, England," *International Journal of Leprosy* 63 (1995): 77-85. [9 pages]
☞Encyclopedia selection; overview of ancient medicine: Cornelis De Waal, "Medicine," in Graham Speake (ed.), *Encyclopedia of Greece and the Hellenic Tradition,* vol. 2 (London: Fitzroy Dearborn, 2000), pp. 1023-25. [3 pages]

WEEK 2 READING LOAD: 198

8 Mon. Hippocratic Medicine: The healer and the patient.

☞ Hippocrates: "Tradition in Medicine," "Prognosis," and "Regimen for Health," in G.E.R. Lloyd (ed.), *Hippocratic Writings* (London: Penguin Books, 1983). [36 pages]
☞ Jacques Jouanna, "The Birth of Western Medical Art," in Mirko Grmek (ed.), *Western Medical Thought from Antiquity to the Middle Ages*, trans. Antony Shugar (Cambridge, MA: Harvard University Press, 1998), pp. 22-71. Begin reading (pp. 22-41). [20 pages]

10 Is medicine part of natural philosophy? Hippocrates, Plato, and Aristotle on medicine and human biology.

☞ Longrigg, *Greek Medicine*, pp. 72-75, 172-73. [6 pages]
☞ Hippocrates: "Airs, Waters, Places," "Dreams," "The Seed," and "The Nature of the Child," in Lloyd, *Hippocratic Writings.* [60 pages]
☞ Hippocrates: "Nature of Man," in Lloyd, *Hippocratic Writings.* [[12 pages]
☞ Plato. *Timæus*, trans. Francis M. Cornford (Indianapolis, Indiana: Bobbs-Merril, 1959), pp. 84-117 (Part III, the part on anatomy and physiology). [34 pages]
☞ Jacques Jouanna, "The Birth of Western Medical Art," in Grmek. Finish reading (pp. 42-71). [30 pages]

WEEK 3 READING LOAD: 150

15 Hellenistic medicine: Alexandria.

☞ Hippocrates: "The Heart," in Lloyd, *Hippocratic Writings*. [5 pages]
☞Mario Vegetti, "Between Knowledge and Practice: Hellenistic Medicine," in Grmek, pp. 72-103. [32 pages]
☞Guido Majno, *The Healing Hand*, pp. 207-228 ("The Perfumes of Arabia"). [22 pages, lots of pictures.]
☞Guido Majno, *The Healing Hand*, pp. 327-338 (short part on Alexandrian medicine). [12 pages, lots of pictures.]

17 Medicine under Roman rule: 1) Traditional Roman medicine (Cato); 2) Hellenization (Celsus, Pliny); 3) Soranus, Dioscorides, and medical sects; 4) Women and medicine: gynaecology and control of fertility.

☞Longrigg, pp. 161-163. [3 pages]
☞John Riddle, "Ancient Society and Birth Control Agents," pp. 57-65 in *Contraception and Abortion from the Ancient World to the Renaissance* (Cambridge, Mass: Harvard Univ. Press, 1992). [9 pages]
☞ Danielle Gourevitch, "The Paths of Knowledge: Medicine in the Roman World," in Grmek.. Read first part, pp. 104-123. [20 pages]
☞ Alain Touwaide, "Therapeutic Strategies: Drugs," in Grmek, pp. 259-72. [14 pages]
☞ G.E.R. Lloyd, *Science, Folklore, and Ideology* (Cambridge: Cambridge University Press, 1983), pp. 168-200 ("The Critique of Traditional Ideas in Soranus' Gynæcology," and "The Epistemological Theory and Practice of Soranus' Methodism.") [33 pages]

WEEK 4 READING LOAD: 191

22 Galen and late imperial Greco-Roman medicine.

☞ *Galen. On Respiration and the Arteries*, ed. and trans. David Furley and J.S. Wilkie (Princeton, NJ: Princeton University Press, 1984), pp. 105, 107, 109, 133, 145, 147, 149, 151, 177, 179, 181, 183, 241, 243, 245, [15 pages]
☞Galen, *On Anatomical Procedures: The Latin Books*, trans. W.L.H. Duckworth (Cambridge: Cambridge Univ. Press, 1962), pp. 10-26. [17 pages].
☞ Owsei Temkin, "The Portrait of an Ideal," pp. 10-50 in *Galenism: Rise and Decline of a Medical Philosophy* (Ithaca: Cornell Univ. Press, 1973). [41 pages]
☞Gourevitch, finish (pp. 123-138). [15 pages].

Unit II: Medicine in medieval Europe

24 Early medieval medicine. 1) Christianity and medicine – competitors or complementary? 2) Eastern Roman Empire: Hospitals and continuity; 3) Western Roman Empire: Decline and isolation – Monastic medicine.

☞ Nancy Siraisi, *Medieval and Early Renaissance Medicine* (Chicago: Univ. of Chicago Press, 1990), ch. 1 (pp. 1-16). [16 pages]
☞ Owsei Temkin, chapters 8 & 9 in *Hippocrates in a World of Pagans and Christians*, pp. 86-105. [20 pages]
☞ Owsei Temkin, chapters 14 & 15 in *Hippocrates in a World of Pagans and Christians*, pp. 181-208. [28 pages]
☞Gotthard Strohmaier, "Reception and Tradition: Medicine in the Byzantine and Arab World," in Grmek, pp. 139-169. [31 pages]
☞Encyclopedia selection; overview of medieval medicine: Michael McVaugh, "Medicine, History of," in Joseph Strayer (ed.), *Dictionary of the Middle Ages* (New York: Charles Scribner's Sons, 1982), vol. ?, pp. 247-254. [8 pages]

WEEK 5 READING LOAD: 154

29 The medical marketplace: physicians, surgeons, apothecaries, and others; Guilds and licensure.

☞ Siraisi, Chapters 2 (pp. 17-47) [31 pages]
☞ Cornelius O'Boyle, Surgical Texts and Social Contexts of Physicians and Surgeons in Paris, c. 1270 to 1430," pp. 156-185 in Luis Garcia-Ballester, et al. (eds.), *Practical Medicine from Salerno to the Black Death* (Cambridge: Cambridge University Press, 1994). [30 pages]
☞ Monica H. Green, "Women's Medical Practice and Health Care in Medieval Europe," *Signs: Journal of Women in Culture and Society* 14(1989): 434-73. [40 pages]

OCTOBER

1 Medieval medicine: professionalization, the assimilation of Aristotelian philosophy, the assimilation of Arabic medicine.

☞ Siraisi, ch. 3 (pp. 48-77). [30 pages]
☞ Michael McVaugh, "The Nature and Limits of Medical Certitude at Early Fourteenth-Century Montpellier," *Osiris*, 2nd ser., 6 (1990): 62-84. [23 pages]

WEEK 6 READING LOAD: 177

6 Medieval medicine: humoral and astrological medicine.

☞ Nancy Siraisi: Ch. 4 (pp. 78-114) & Ch. 5 (pp. 115-152). [75 pages]
☞ Danielle Jacquart, "Theory, Everyday Practice, and Three Fifteenth-Century Physicians," *Osiris*, second series, 6 (1990): 140-160. [21 pages]
☞ Pedro Gil Sotres, "The Regimens of Health," in Grmek, pp. 291-318. [28 pages]

8 Astrology and medicine continued.

☞ Carole Rawcliffe, "Astrology and the Occult," ch. 4 in her *Medicine and Society in Later Medieval England* (Phoenix Mill: Sandpiper, 1999), pp. 82-104. [23 pages]
☞ Roger French, "Astrology in Medical Practice," pp. 30-59 in Garcia-Ballester, et al. (eds.), *Practical Medicine from Salerno to the Black Death* (Cambridge: Cambridge University Press, 1994). [30 pages]

WEEK 7 READING LOAD: 64 / 201

13 Medieval medicine: surgery and anatomy

☞ Nancy Siraisi: Ch. 6 (pp. 153-186). [33 pages].
☞ Michael McVaugh, "Therapeutic Strategies: Surgery," in Grmek, pp. 273-290. [18 pages]
☞ Pedro Gil-Sotres, "Derivation and Revulsions. Theory and practice of Medieval Phlebotomy," pp. 110-155 in Garcia-Ballester, et al. (eds.), *Practical Medicine from Salerno to the Black Death* (Cambridge: Cambridge University Press, 1994). [46 pages]

15 The care of the poor and the diseased in medieval and Renaissance Europe: hospitals and leprosaria.

☞ Peter Richards, *The Medieval Leper and His Northern Heirs* (1977; reprint, Cambridge: D.S. Brewer, 2000), documents 1, 2, 4, and 8 (pp. 123-28, 137-39, 145-46). [11 pages]
☞ "Jordanus de Turre: The Symptoms of Lepers," trans. Michael McVaugh, pp. 754-55 in Edward Grant (ed.), *A Sourcebook in Medieval Science* (Cambridge, MA: Harvard University Press, 1974). [2 pages]
☞ Luke Demaitre, "The Description and Diagnosis of Leprosy by Fourteenth-Century Physicians," *Bulletin of the History of Medicine* 59(1985): 327-44. [18 pages]
☞ Guenter Risse, *Mending Bodies, Saving Souls: A History of Hospitals* (New York: Oxford University Press, 1999), chapter 3 "Church and Laity" (pp. 117-65) and chapter 4 "Hospitals as Segregation and Tools of Confinement" (first part: pp. 167-90). [73 pages]

WEEK 8 READING LOAD: 68

20 **MIDTERM EXAMINATION**

22 Introduction to the Black Death: The impact of the Black Death: epidemiology (the ecology of diseases), effects (demographic, economic), and societal responses (economic, social, and religious).

☞ Rosemary Horrox (ed.), *The Black Death* (Manchester: Manchester University Press, 1994), pp. 130-35; 150-53; 207-11; 219-23 [20 pages].
☞Ann Carmichael, *Plague and Poor in Renaissance Florence* (Cambridge: Cambridge University Press, 1986), pp. 10-26; 59-89. [48 pages]

WEEK 9 READING LOAD: 202

27 Medical and civil responses to plague; Epidemics or pandemics?

☞ Horrox, pp. 158-63; 177-84. [14 pages]
☞ Horrox, p. 203 [Bernabo Visconti's regulations, 1374] [1 page!]
☞ Cipolla, *Faith, Reason, and the Plague in Seventeenth-Century Tuscany* (1977; New York: Norton, 1981), pp. 1-85. [85 pages]
☞ Guenter Risse, *Mending Bodies, Saving Souls: A History of Hospitals* (New York: Oxford University Press, 1999), chapter 4 "Hospitals as Segregation and Tools of Confinement" (second part: pp. 190-229). [40 pages]

Unit III: The Renaissance and a revolution in natural philosophy and scientific method

29 New diseases and new drugs: The "Columbian Exchange." Demographic implications; Medical implications.

☞ Ulrich von Hutten (selection), pp. 31-34, in Ralph H. Major, *Classic Descriptions of Disease: With Biographical Sketches of Authors* (1932; Springfield, IL: Charles C. Thomas, 1945) [4 pages]
☞ Claude Quétel, *History of Syphilis*, trans. Judith Braddock and Brian Pike (Baltimore: Johns Hopkins University Press, 1990), pp. 9-44, 50-67. [54 pages]
☞Encyclopedia selection; overview of Renaissance medicine: Andrew Wear, "Medicine," in Otto Grendler (ed.), *Encyclopedia of the Renaissance* (New York: Charles Scribner's Sons, 1999), vol. 4, pp. 98-105. [8 pages]

WEEK 10 READING LOAD: 165

NOVEMBER

3 The Renaissance and medical humanism: Anatomy and art; Vesalius and the renewal of anatomy; zeal for anatomical discovery; botanical gardens, herbals, and herbaria.

☞ Beloved Son Felix: The Journal of Felix Platter, a Medical Student in Montpellier in the Sixteenth Century, trans. Sean Jennet (London: Frederick Muller, 1961), pp. 88-91. [4 pages]
☞ Andreas Vesalius, *De fabrica* (1543), preface, in Logan Clendening (ed.), *Source Book of Medical History* (New York: Harper and Brothers, 1942), pp. 128-151. [24 pages]
☞Vesalius, *The Epitome of Andreas Vesalius*, trans. L. R. Lind (Cambridge, MA: MIT Press, 1949): read front matter (pp. xxxi-xxxvi), ch. 3 (pp. 40-50), ch. 4 (pp. 57-61), and ch. 5 (83-86). [26 pages]
☞ Roger French, *Dissection and Vivisection in the European Renaissance* (Aldershot, England: Ashgate, 1999), pp. 73-121 (chapter 3, "Bologna and Padua: Anatomical Rationalities"). [42 pages, with illustrations]

5 Reformation, Paracelsus, and the anatomy of the world.

☞*Paracelsus; Essential Readings*, ed. and trans. Nicholas Goodrick-Clarke (Wellingborough, Northamptonshire, England: Crucible, 1990), sections 2.9, 5.4-7, 6.3, 6.5, 6.8-14, 6.25-26, 6.33, 7.4-6). [parts of 20 pages]
☞ Trevor-Roper,"The Paracelsian Movement," pp. 149-199 in *Renaissance Essays* (Chicago: University of Chicago, 1961). Begin reading, pp. 149-158. [10 pages]
☞Paracelsus, *Seven Defensiones*, trans. C. Lilian Temkin, pp. 10-41 in Henry Sigerist (ed.), *Four Treatises of Theophrastus von Hohenheim called Paracelsus* (rpt. 1996; Baltimore: Johns Hopkins Press, 1941). [32 pages]

WEEK 11 READING LOAD: 186

10 The Paracelsians and the iatrochemical movement.

☞ Trevor-Roper,"The Paracelsian Movement," Finish reading, pp. 159-199. [41 pages]
☞ Bruce Moran, *Chemical Pharmacy Enters the University: Johannes Hartmann and the Didactic Care of* Chymiatria *in the Early Seventeenth Century* (Madison: AIHP, 1991). [89 pages]

12 Reform of medicine and the reformation of society. 1) The "New Hippocratism" – Clinical observation and empirical medicine; 2) The Paracelsians, Renaudot, and the Hartlib Circle. 3) Thomas Sydenham.

☞ Thomas Sydenham, *The Works of Thomas Sydenham, M.D.*, trans. R.G. Latham, vol. 1 (London: Sydenham Society, 1848), pp. 97-110 & 115 (on plague), 182-186 (on measles), 260-268 (on erysipelas and quinsy). [19 pages]
☞Andrew Cunningham, "Thomas Sydenham: Epidemics, Experiment and the 'Good Old Cause'," pp. 164-190 in Roger French and Andrew Wear (eds.), *The Medical Revolution of the Seventeenth Century* (Cambridge: Cambridge University Press, 1989). [37 pages]

WEEK 12 READING LOAD: 212

17 A breakthrough in physiology: Realdo Columbo, Fabricius ab Aquapendente, William Harvey, and the circulation of the blood.

☞William Harvey, *The Anatomical Exercises: De Motu Cordis and De Circulatione Sanguinis in English Translation* (New York: Dover, 1995). Read *de motu cordis* (pp. 1-118). [119 pages].
☞William Harvey, *The Anatomical Exercises*. Read *De circulatione sanguine* (pp. 121-193). [73 pages].
☞ Roger French, *William Harvey's Natural Philosophy* (Cambridge: Cambridge University Press, 1994), chapter 3 (pp. 51-70). [20 pages]

19 **FILM: William Harvey and the Circulation of the Blood. [Hand out the Descartes reading]** Some lecture in connection with the film.

WEEK 13 READING LOAD: 199

24 A new paradigm for medicine and science: Medicine and mechanical philosophy. Cartesians, Steno, Boerhaave, Borelli, and Sylvius. What is the significance of the view of nature as a machine?

☞ Descartes, *Treatise on Man* selections; to be handed out. [12 pages]
[original biomed 612 D453 E]
☞ Anita Guerrini, "The Ethics of Animal Experimentation in Seventeenth-Century England," *Journal of the History of Ideas* (1989): 391-407. [17 pages]

26 Circulation and the rethinking of the paradigm: Medical research, experimental philosophy, and the Scientific Revolution; the mixing of mechanical and chemical philosophy.

☞ Harold J. Cook, "Medical Innovation or Medical Malpractice? Or, A Dutch Physician in London: Joannes Groenevelt, 1694-1700." *Tractrix* 2(1990): 63-91. [29 pages]
☞ Robert G. Frank, *Harvey and the Oxford Physiologists: Scientific Ideas and Social Interactions* (Berkeley: University of California Press, 1980). Ch. 4 (pp. 90-114), ch. 7 (pp. 164-192), and ch. 8 (pp. 193-220). [82 pages]
☞ Barbara Beigun Kaplan, *"Divulging of Useful Truths in Physick": The Medical Agenda of Robert Boyle* (Baltimore: Johns Hopkins, 1993). Chapters 3-5 (pp. 77-135). [59 pages]

Unit IV: Enlightenment medicine

WEEK 14 READING LOAD: 216

DECEMBER

1 Medicine in the Enlightenment I: Medical systems in the wake of Newtonian natural philosophy (mechanism, animism, and vitalism); Diseases as things: nosology.

☞Guenter Risse, "Medicine in the Age of Enlightenment," pp. 149-95 in Andrew Wear (ed.), *Medicine in Society: Historical Essays* (Cambridge: Cambridge University Press, 1992). Read 149-71 for this week. [22 pages]
☞Benjamin Rush, "A Defense of Bloodletting as a Remedy for Certain Diseases," pp. 183-258 in *Medical Inquiries and Observations*, vol. 4 (Philadelphia: Thomas Dobson, 1796), excerpts: pp. 183-229, 234-237, 250-253. [55 pages]
☞Julian Martin, "Sauvages' Nosology: Medical Enlightenment in Montpellier," pp. 111-37 in Andrew Cunningham and Roger French (eds.), *The Medical Enlightenment of the Eighteenth Century* (Cambridge: Cambridge University Press, 1990). [27 pages].

3 European medicine abroad: Colonial America.

☞ Helen Brock, "North America, a Western Outpost of European Medicine," pp. 194-216 in Andrew Cunningham and Roger French (eds.), *The Medical Enlightenment of the Eighteenth Century* (Cambridge: Cambridge University Press, 1990). [23 pages]
☞ Ronald Numbers (ed.), *Medicine in the New World: New Spain, New France, and New England* (Knoxville, TN: University of Tennessee Press, 1987), pp. 12-63 ("Medicine in New Spain"), 62-100 ("Medicine in New France"). [89 pages]

WEEK 15 READING LOAD: 168

8 Medicine and Enlightenment II: Hospitalization and record keeping. Isolating the sick. Control and the training of physicians and midwives; The German "Medical Police."

☞Guenter Risse, "Medicine in the Age of Enlightenment." Read pp. 171-95 for this week. [25 pages].
☞ William Bynum, "Hospital, Disease, and Community: the London Fever Hospital, 1801-1850," pp. 97-115 in Charles E. Rosenberg (ed.), *Healing and History: Essays for George Rosen* (New York: Science History Publications, 1979). [19 pages]

10 Medicine and Enlightenment III: Expanding the scope of theoretical and empirical medicine; Galvani, Jenner; Madness and Mesmerism; Clinical medicine and the Paris School.

☞ Pierre Louis, *Researches on the Effects of Bloodletting in Some Inflammatory Diseases*, trans. C.G. Putnam (Boston, 1836), pp. 1-23, 55-70. [39 pages]
☞ Benjamin Rush, The New Method of Inoculating for the Small Pox," pp. 291-314 in *Medical Inquiries and Observations*, vol. 1 (Philadelphia: Thomas Dobson, 1794). [24 pages]
☞ Harm Beukers, "Clinical Teaching in Leiden from its Beginning until the End of the Eighteenth Century," *Clio Medica: Clinical Teaching Past and Present* 21(1987-88): 139-52. [14 pages]
☞ Francois Delaporte, "The History of Medicine According to Foucault," pp. 137-149 in Jan Goldstein (ed.), *Foucault and the Writing of History* (Oxford: Blackwell, 1994). [13 pages]
☞ Toby Gelfand, "Gestation of the Clinic," *Medical History* 25(1981): 169-180. [12 pages]
☞ Michel Foucault, *The Birth of the Clinic: An Archeology of Medical Perception*, trans. A. M. Sheridan Smith (New York: Pantheon Books, 1973), pp. 107-23 ("Seeing and Knowing") and pp. 195-99 ("Conclusion"), or as much as you can tolerate. [22 pages]

17 Wednesday **Final Exam**