Syllabus — History of Medicine 3001
"Health Care in History I"
Fall 2003 – 10:10-11 a.m. Mondays & Wednesdays – 170 Physics

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Concurrent lectures with HMed 5200

Unit I: Ancient Medicine in the West

WEEK 1 READING LOAD: 3001= 77 pages

SEPTEMBER

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

☞ William Strunk, Jr., *The Elements of Style*, revised by E. B. White. 4th ed. (Boston: Allyn and Bacon, 2000), pp. 15-38 and 66-85. [44 pages]
☞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]

WEEK 2 READING LOAD: 102

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]

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]

WEEK 3 READING LOAD: 49

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]

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]

WEEK 4 READING LOAD: 89

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]

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]

WEEK 5 READING LOAD: 61

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

☞ Siraisi, Chapters 2 (pp. 17-47) [31 pages]

OCTOBER

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

☞ Siraisi, ch. 3 (pp. 48-77). [30 pages]

WEEK 6 READING LOAD: 98

6 Medieval medicine: humoral and astrological medicine.

☞ Nancy Siraisi: Ch. 4 (pp. 78-114) & Ch. 5 (pp. 115-152). [75 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]

WEEK 7 READING LOAD: 64

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]

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]

WEEK 8 READING LOAD: 20

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].

WEEK 9 READING LOAD: 104

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]

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]

WEEK 10 READING LOAD: 48

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.

☞Andreas Vesalius, *De fabrica* (1543), preface, in Logan Clendening (ed.), *Source Book of Medical History* (New York: Harper and Brothers, 1942), pp. 128-141. [14 pages]
☞ 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]

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]

WEEK 11 READING LOAD: 97

10 The Paracelsians and the iatrochemical movement.

☞ Trevor-Roper,"The Paracelsian Movement," Finish reading, pp. 159-199. [41 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: 192

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].

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: 68

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.

☞ Audry Davis, "The Circulation of the Blood and Chemical Anatomy," in *Science, Medicine and Society in the Renaissance*, ed. Allen G. Debus, vol. 2, pp. 25-34. [10 pages]
☞ 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]

Unit IV: Enlightenment medicine

WEEK 14 READING LOAD: 100

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]

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]

WEEK 15 READING LOAD: 88

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].

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]

17 Wednesday Final Exam