This course will consist of 21 lectures. Assessment will be in the form of:

- two essays: (1) 4-6 pages (10\% of final grade), due in on **Tuesday 11 November 2003**
  (2) 8-10 pages (30\% of final grade), due in on **Monday 12 January 2004**
- an exam comprising 4 essay-style questions (60\% of final grade)

**Part I: Antiquity**

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All lectures will be given at 11am on Tuesdays and Fridays in the Lecture Room.
*** Items marked with three asterisks should, if possible, be bought, and must be read.
** Items marked with two asterisks must be read, and knowledge of their general theses will be assumed in the final examination.
* Items marked with one asterisk are strongly recommended.
Items with no asterisk are worth consulting, particularly as material for your essays. They may also usefully duplicate starred items when they are not immediately available.

For Wellcome pressmarks of books, see the Bibliography of Books. In many instances, additional photocopies of articles are available in the Student Loan Collection. In these cases, the pressmark is given in square brackets after each citation.

**General Surveys of Ancient Science**
* Lloyd, *Early Greek Science*
* Lloyd, *Greek Science after Aristotle*
Lindberg, *Beginnings of Western Science*, 1-147

**General Surveys of Ancient Medicine**
*** Conrad et al., *Western Medical Tradition*, chps 1-3
** Longrigg, *Greek Medicine: From the Heroic to the Hellenistic Age*
* King, *Greek and Roman Medicine*

**Early Greek Medicine**

*Primary Sources:*
Kirk, et al., *The Presocratic Philosophers*

*Secondary Sources:*
* Lloyd, *Early Greek Science*, chps 1, 2 and 4
* Longrigg, *Greek Rational Medicine*, chps 1-3
Temkin, *Double Face of Janus*, 137-153
Hall, *History of General Physiology*, chps 2-5
Harris, *The Heart and the Vascular System*, chp. 1
Lloyd, *Revolutions of Wisdom*, chp. 3

**Hippocratic Medicine**

*Primary Sources:*
There is no complete translation of the Hippocratic Corpus into English, but the main texts can be found in:
* Hippocratic Writings
Hippocrates, The Loeb series (8 vols).
English titles differ between the two, see hand-out.

*Secondary Sources:*
** Hippocrates, *Hippocratic Writings*, introduction by Lloyd
* Lloyd, *Early Greek Science*, chp. 5
Lloyd, *Science, Folklore, and Ideology*, section 3
* Longrigg, *Greek Rational Medicine*, chp. 4
Phillips, *Greek Medicine*, chps 3-4
Edelstein, *Ancient Medicine*, 3-111; 173-191
J. Jouanna, *Hippocrates, 1999* (covers far more than the title suggests)

**Plato**

*Primary Sources:*
* Plato, *Timaeus*

*Secondary Sources:*
* Lloyd, *Early Greek Science*, chp. 6
* Longrigg, *Greek Rational Medicine*, chp. 5

**Aristotle**

*Primary Sources:*
* Brock, *Greek Medicine*, 108-111
* Cohen and Drabkin, *A Source Book in Greek Science*, 400-437

*Secondary Sources:*
* Longrigg, *Greek Rational Medicine*, chp. 6 (for Aristotelian biology)
* Harris, *The Heart and the Vascular System*, 121-143 (for Aristotelian anatomy)

**The Greek Physician**

* Vivian Nutton, ‘Beyond the Hippocratic Oath’, in Wear et al., *Doctors and Ethics*, 10-37
* Edelstein, *Ancient Medicine*, 319-391

**Alexandria**

*Primary Sources:*
* Celsus, *On Medicine*, vol. 1, 3-35
* von Staden, *Herophilus: The Art of Medicine in Early Alexandria*

*Secondary Sources:*
* Longrigg, *Greek Rational Medicine*, chp. 6
* Edelstein, *Ancient Medicine*, 247-300
* Harris, *The Heart and the Vascular System*, 177-233
* von Staden, *Herophilus*, chp. 6
* Fraser, *Ptolemaic Alexandria*, 364-69

**Roman Medicine**

*Primary Sources:*
* Pliny, *Natural History*, vol. 29, pp.182-201
Soranus, *Gynaecology*
Dioscorides, *On Pharmacy and Medicine*

**Secondary Sources:**
*** Conrad et al., *Western Medical Tradition*, 39-58
* Lloyd, *Science, Folklore and Ideology*, 168-200 (for Soranus)
* Fridolf Kudlien, ‘Medical Ethics and Popular Ethics in Greece and Rome’, *Clio medica*, 1970, 5: 91-121 (for Cato) [C20/KUD]
* French, *Ancient Natural History: Histories of Nature* (for Pliny)
Edelstein, *Ancient Medicine*, 173-191 (for Asclepiades)
Rawson, *Intellectual Life in the Late Roman Republic*, chp. 12 (for Asclepiades)
Jackson, *Doctors and Diseases in the Roman Empire*

**Galen**

**Primary Sources:**
* Brock, *Greek Medicine*, 131-244
* Galen, *Selected Works*, esp. 3-34 and 345-396
* Galen, *On Prognosis*
* Galen, *On the Therapeutic Method*

**General Secondary Sources:**
*** Conrad et al., *Western Medical Tradition*, 58-70
* Lloyd, *Greek Science after Aristotle*, chp. 9
* Smith, *Hippocratic Tradition*, 61-122

**Secondary Sources:**
* Temkin, *Galenism: Rise and Decline of a Medical Philosophy*, 10-57
Harris, *The Heart and the Vascular System*, 266-431
Lloyd, *Problems and Methods in Greek Science*, 398-416

**Medicine after Galen**
* Nutton, *From Democedes to Harvey*, chp. 10
Temkin, *Double Face of Janus*, chp. 11 and 202-222
Temkin, *Hippocrates in a World of Pagans and Christians*
All books listed below should be in the Wellcome Library’s Historical Collection. Many of them are also available in the Student Loan Collection. Copies of some of the material relating to ancient medicine also can be found in the classics section of UCL library, or the Warburg Institute Library, which also holds a substantial amount relating to medieval and renaissance medicine.

### BIBLIOGRAPHY OF BOOKS: ANTIQUITY

**Barnes, Jonathan, et al., Aristotelian Science** (London: Duckworth, 1975)  
Historical Coll.: BH/ART

**Brock, Arthur J., Greek Medicine** (London: J.M. Dent, 1929)  
Student Loan: /BRO. Historical Collection: BJK/BRO

Historical Coll.: BK/CEL


**Conrad, Lawrence I., et al., The Western Medical Tradition, 800BC-1800AD** (Cambridge: Cambridge University Press, 1995)  
Student Loan: CON. Historical Coll.: BA/WES


Student Loan: /EDE. Historical Coll.: BH.AH

**Flashar, H. Jouanna, J. Ed, Medecine et Moralé dans L’Antiquité** (Geneva; Foundation Hardt, 1997). Historical Coll.: BJ/FLA

**French, Roger, Ancient Natural History: Histories of Nature** (London: Routledge, 1994)  
Historical Coll.: AN.AA1

**French, Roger, and Frank Greenaway (eds), Science in the Early Roman Empire: Pliny the Elder, his Sources and his Influence** (London: Croom Helm, 1986)  
Historical Coll.: AB.AA1

**Galen, On Prognosis**, trans. and intro. by Vivian Nutton (Berlin: Akademie Verlag, 1979)


Historical Coll.: DE.AA1


**Hall, Thomas S., History of General Physiology** (Chicago: University of Chicago Press, 1975)


**Jackson, Ralph, Doctors and Diseases in the Roman Empire** (London: British Museum, 1988)  
Student Loan: JAC Historical. Historical Coll.: BK/JAC


**King, H., Greek and Roman Medicine** (Bristol: Bristol Classical Press, 2001) Historical Coll.: BJK/KIN

**King, H., Hippocrates’ Woman: Reading the Female body in Ancient Greece** (London: Routledge, 1998) Historical Coll.: BK/KIN

Historical Coll.: BI/KIR in catalogue; BI/KIR and BI/PRE on shelf

Student Loan: /LLO. Historical Coll.: BH/LLO

Student Loan: /LLO. Historical Coll.: BH/LLO

Student Loan: /LLO, Historical Coll.: BH/LLO

Student Loan: /LLO. Historical Coll.: BH/LLO


Student Loan: /LLO. Historical Coll.: BH/LLO


Longrigg, James, *Greek Medicine: From the Heroic to the Hellenistic Age* (London: Duckworth, 1998). Historical Coll.: BH/LON

Student Loan: /LON. Historical Coll.: BH/LON

Student Loan: /LOU. Historical Coll.: BA/LOU

Nutton, Vivian, *From Democedes to Harvey* (London: Variorum, 1988)  
Student Loan: /NUT. Historical Coll.: BA/NUT

Student Loan: /PHI. Historical Coll.: BH/PHI

Student Loan: /PLA


Historical Coll.: ZE.AA1

Student Loan: /SMI. Historical Coll.: BJK/SMI

Historical Coll.: UA.AA1

Student Loan: /TEM. Historical Coll.: BK/TEM

Student Loan: /TEM. Historical Coll.: BH/TEM

Student Loan: /TEM. Historical Coll.: BA/AH

Historical Coll.: BJK/VAL

Van der Eijk, P. J., ed., *Ancient History of Medicine* (Leiden; Brill, 1999), Historical Coll; BJK/AH


Student Loan: /WEA, Historical Coll.: BA/ U

Student Loan: /WEA, Historical Coll.: CBE
Part II: Middle Ages and Renaissance

11 November  Medicine under Islam
14 November  Religion and Medicine
18 November  The Origins and Development of Hospitals
21 November  Medical Education
25 November  State Control and the Medical Profession
28 November  The Impact of Plague
2 December   Medical Humanism and Renaissance Botany
5 December   Vesalius and Renaissance Anatomy
9 December   Paracelsus
12 December  Harvey

Note: A special revision session, including some of the treasures of the library, will be arranged in Term 3. Details will be sent out once exam dates are known.
General Primary Sources:
Edward Grant, *A Source Book in Medieval Science*

General Secondary Sources:
*** Conrad et al. *The Western Medical Tradition*, chp. 5
** Siraisi, *Medieval and Early Renaissance Medicine*
Talbot, *Medicine in Medieval England*
Jones, *Medieval Medicine in Illuminated Manuscripts*
Lindberg, *Beginnings of Western Science*, chp. 13
Rawcliffe, *Medicine and Society in later medieval England*

Early Medieval Medicine
Cameron, *Anglo-Saxon Medicine*, 5-34
Peregrine Horden, E. Savage-Smith, *The Year 1000, First Millennium, Social History of Medicine 13*, 2000, 197-321

Religion and Medicine
* Lindberg, *Beginnings of Western Science*, 149-159
Edelstein, *Ancient Medicine*, 205-246
Kee, *Medicine, Miracle and Magic in New Testament Times*, 1-26 and 70-94 (for healing in the Old and New Testaments)
Temkin, *Hippocrates in a World of Pagans and Christians*, esp. parts 3, 4 and 7

Hospitals
Miri Rubin, ‘Revolution and Change in English Hospitals, 1100-1500’, in Granshaw and Porter, *The Hospital in History*, 41-60
Miller, *Birth of the Hospital in the Byzantine Empire*, chps 2-3
Orme and Webster, *The English Hospital, 1070-1570*, chps 1, 3 and 8

Arabic Medicine
Primary Sources:

Secondary Sources:
*** Conrad et al., *Western Medical Tradition*, chp. 3
* Dols, *Medieval Islamic Medicine*, 1-42
Max Meyerhof, ‘New Light on Hunain Ibn Ishaq and his Period’, *Isis*, 1926, 8: 685-729 [C20/MEY]
Daniel, *The Arabs and Mediaeval Europe*, chp. 10
Ullmann, *Islamic Medicine*

Medical Education
** Siraisi, Medieval and Renaissance Medicine, chp. 3
* O’Malley (ed.), The History of Medical Education, chps 2-4
* Temkin, Double Face of Janus, 185-193
* Jerome J. Bylebyl, ‘Padua and Humanistic Medicine’, in Webster, Health, Medicine and Mortality in the Sixteenth Century, 335-370
Talbot, Medieval English Medicine, 38-71
Lawn, The Salernitan Questions, chp. 2
Jacquart and Thomasset, Sexuality and Medicine in the Middle Ages, 32-47
Nutton and Porter (eds), The History of Medical Education in Britain (Amsterdam: Rodopi, 1996), essays by Getz, Jones, and Pelling

Plague
* Ziegler, The Black Death
[C20/SLA]
* Cipolla, Fighting the Plague in Seventeenth-Century Italy, 3-85
Cipolla Cristofano and the Plague, 15-124
Cipolla, Miamas and Disease
Slack, The Impact of Plague on Tudor and Stuart England
Wilson, Plague in Shakespeare’s London, 113
McNeill, Plagues and Peoples, esp. chp. 4
Local Population Studies, The Plague Reconsidered
Arrizabalaga et al., The Great Pox, chps 1 and 9

Public Control and the Medical Profession
* Margaret Pelling and Charles Webster, ‘Medical Practitioners’, in Webster, Health, Medicine and Mortality, 165-236
Clark, A History of the Royal College of Physicians, 8-18, 25-29, 55-67
Cipolla, Public Health and the Medical Profession, 11-66
Nutton, From Democedes to Harvey, chp. 6
Park, Doctors and Medicine in Early Renaissance Florence
M. Pelling, The Common Lot; Sickness, Medical Occupation and the Urban Poor in Early Modern England. Rawcliffe, ch. 5-7

Renaissance Medicine
* Katharine Park, ‘Medicine and the Renaissance’, in Loudon, Western Medicine, 66-79
* Wear et al. (eds), The Medical Renaissance of the Sixteenth Century, introduction
Andrew Wear, ‘Explorations in Renaissance Writings on the Practice of Medicine’, in Wear et al., The Medical Renaissance of the Sixteenth Century, chp. 6
Cunningham, The Anatomical Renaissance, esp. part I.
Vivian Nutton, ‘Medicine in the Age of Montaigne’, in Cameron, Montaigne and His Age, 15-25, 159-170
Renaissance Botany and Pharmacology

Primary Sources:
Gerard, *The Herbal*
Orta, *Simples and Drugs of India*

Secondary Sources:
Debus, *Man and Nature in the Renaissance*, chp. 3
Thorndike, *A History of Magic Science*, vol. 4, chp. 66; vol. 5, chp. 20; vol. 6, chp 38

Vesalius and Renaissance Anatomists
O’Malley, *Andreas Vesalius of Brussels*, esp. 17-20, 47-61; and chps 6 and 11
Andrew Cunningham, ‘Fabricius’, in Wear et al., *The Medical Renaissance of the Sixteenth Century*, chp. 10
Cunningham, *The Anatomical Renaissance*, esp. part 1
Lind, *Studies in Pre-Vesalian Anatomy*
French, *Dissection and Vivisection in the Ewuropean Renaissance*

Paracelsus
* Paracelsus, *Paracelsus: Essential Readings*, introduction
* Walter Pagel, *Dictionary of Scientific Biography*, vol. 10, 304-313, s.v. Paracelsus
* Temkin, *Double Face of Janus*, chp. 15
Pachter, *Magic into Science*
Pagel, *Paracelsus*

Harvey
Primary Sources:
** Harvey, *The Circulation of the Blood and Other Writings*
* Harvey, *The Anatomical Lectures*

Secondary Sources:
Pagel, *New Light on William Harvey*
Frank, *Harvey and the Oxford Physiologists*, chps 1-2
French, *William Harvey’s Natural Philosophy*, esp. introduction and chps 1-5
BIBLIOGRAPHY OF BOOKS: MIDDLE AGES AND RENAISSANCE


Cadden, Joan, Meanings of Sex Difference in the Middle Ages: Medicine, Science, and Culture (Cambridge: Cambridge University Press, 1993). Historical Coll.: TP.AA2

Cameron, Keith (ed.), Montaigne and His Age (Exeter: University of Exeter Press, 1981)


Cipolla, Carlo M., Fighting the Plague in Seventeenth-Century Italy (Madison, WI: University of Wisconsin Press, 1982). Student Loan: /CIP. Historical Coll.: FL.34.AA6


Dols, Michael W., Medieval Islamic Medicine (Berkeley, CA: University of California Press, 1984). Historical Coll.: BM.CA


French, Roger, William Harvey's Natural Philosophy (Cambridge: Cambridge University Press, 1994). Historical Coll.: DA.AA6

French, Roger and Andrew Cunningham, Before Science: The Invention of the Friars' Natural Philosophy (Aldershot, Hants: Scolar Press, 1996). Historical Coll.: ABP.AA2

García-Ballester, Luis et al. (eds), Practical Medicine from Salerno to the Black Death (Cambridge: Cambridge University Press, 1994). Historical Coll.: BN/PRA


Granshaw, Lindsay, and Roy Porter (eds), The Hospital in History (London: Routledge, 1989)

Student Loan: /GRA. Historical Coll.: CAC


Green, Monica H. The Transmission of Ancient Theories of Female Physiology and Disease Through the Early Middle Ages (Princeton University PhD dissertation, 1985) Historical Coll.: UA.AA1-2

Grell, Ole Peter, and Andrew Cunningham (eds), Medicine and the Reformation (London: Routledge, 1993). Historical Coll.: BW.3.AA5-6

Historical Coll.: CW.41.AA6
Student Loan: /HAR. Historical Coll.: O.F.CA
Historical Coll.: BNC
Student Loan: /LOC. Historical Coll.: FL.41.AA5-6
Student Loan: /MAC. Historical Coll.: ED/MAC
Nutton, Vivian, and Roy Porter (eds), *The History of Medical Education in Britain* (Amsterdam: Rodopi, 1996). Historical Coll.: CAE.41
Nutton, Vivian, *From Democedes to Harvey* (London: Variorum, 1988)
Student Loan: /NUT. Historical Coll.: BA/NUT
Orme, Nicholas, and Margaret Webster, *The English Hospital, 1070-1570* (New Haven, CT: Yale University Press, 1995).
Student Loan: /ORM. Historical Coll.: CAF.41.C
Historical Coll.: IB.23
Historical Coll.: BZP (Paracelsus)
Historical Coll: JCL.41.AA5-6
Historical Coll. BN.41
Student Loan: /SHE. Historical Coll.: CW.AH
Student Loan: /SIR. Historical Coll.: BN/SIR
Historical Coll.: BW.41.AA2

Student Loan: /TEM.  Historical Coll.: BH/TEM

Student Loan: /TEM.  Historical Coll.: BA.AH

Historical Coll.: BV/THO

Student Loan: /ULL.  Historical Coll.: BM/ULL

Student Loan: /WEA.  Historical Coll.: BA.U

Historical Coll.: BO.AD

Student Loan: /WEB.  Historical Coll.: BW.41.AA5

Historical Coll.: FL.43

Historical Coll.: FL.AA2