

History of Medicine: HPS 2563 99/2

Course Description We examine selected issues and events in the history of medicine with the intention of providing both an historical framework into which modern medicine can be fitted and to offer some of the riches of historical scholarship which have a bearing on specific ethical issues in society today. Topics covered include the history of debates over the need and legitimacy of dissection, vivisection, and human experimentation, social and scientific aspects of attempts to control human fertility, and differing conceptions of disease. We examine aspects of the history of public health and the organization of medical care, the medical profession and the hospital.

Aims of the Course (1) To develop an historical perspective on issues of importance to students of medical ethics. (2) By examining medical issues and concepts in contrasting historical contexts to expose the changing and culturally dependent aspects of medical knowledge and practise. (3) To bring out the students' critical and probing faculties.

Prerequisites none.

Grading: Seminar participation and presentation 20%, one mid-term paper 40%, one end term paper 40%.

Recitations none

Class Size maximum 15

Time Wednesdays, 1 to 3.30 pm. **Place** CL G28

Required Texts Bernard, *Introduction to the Study of Experimental Medicine*, Kevles, *In the name of Eugenics*.

Schedule of Seminars

The accompanying bibliography is intended as a resource. Texts to study for the seminars will be selected from it and other sources listed can also be used in the preparation of papers.

1. Jan. 6. Introduction. Two Major Figures - Claude Bernard and Francis Galton. [Mirko Grmek, "Claude Bernard", *DSB*, vol.ii., William Coleman, 'The Cognitive Basis of the Discipline: Claude Bernard on Physiology,' *Isis*, 76 (1985), 49-70, Michael Foster *Claude Bernard*, chap.iv, 'Glycogen,' Bliss, *Discovery of Insulin*, 1982, chap.i, Kevles, *In the Name...*, chap. i.]

A. Concepts of Disease

2. Jan. 13. Claude Bernard and the Relation between the Pathological and the Normal [Canguilhem, *The Normal and the Pathological*. Bernard, *Introduction to the Study of Experimental Medicine*, Gary Gutting, *Foucault's Archeology: Science and the History of Reason*, 1989, chap. on Canguilhem, Joseph Schiller, 'The Genesis and Structure of Claude Bernard's Experimental Method,' *J. Hist. Biol.* 133-160, Mary Tiles, 'The Normal and the pathological: The Concept of a Scientific Medicine,' *British J. Phil. Sci.*, **44** (1993), 729-742.]

3. Jan. 20. Social Construction of Disease [Brumberg, "From Psychiatric Syndrome to 'Communicable' Disease," The Case of Anorexia Nervosa," in: Rosenberg & Golden (Eds), *Framing Disease. Studies in Cultural History*, 1992 chap.vii, Brumberg, "Chlorotic Girls, 1870-1920," *Child Development*, **53** (1982), 1468-1477, Peter Conrad & Joseph Schneider, *Deviance and Medicalization. From Badness to Sickness*, Temple University Press, Philadelphia, 1992, chap.i, Deviance, Definitions, and the Medical Profession," Walt Odets, 'AIDS Education and Harm . . . ' *AIDS & Public Policy J.*, **9** (1994), 3-15, Miller, 'Sonntag's Urbanity,' *October*, **49** (1989), 91-101]

4. Jan. 27 Constitutional and Hereditary Diseases. [Olby, 'Constitutional and Hereditary Disorders,' *Companion Encyclopedia to the History of Medicine*, pp.412-437, Keith Wailoo, "Genetic Marker of Segregation: Sickle Cell Anemia, Thalassemia, and Racial Ideology in American Medical Writing, 1920-1950," *History and Philosophy of the Life Sciences*, **18** (1996), 305-320, see also his *Drawing Blood*, Hopkins University Press, Baltimore, 1997, chap.v, "Detecting Negro Blood': Black and White Identities and the Reconstruction of Sickle Cell Anemia," Pauline Mazumdar, *Eugenics, Human Genetics and Human Failings*, Routledge, London & New York, 1986, chap.ii, "The Age of Pedigree," Kevles, *In the Name of Eugenics*, 1985, chap. v, & vii.]

B. The Physician-Patient Relation

5. Feb. 3 Professionalization of Medicine [S.E.D. Shortt, "Physicians Science and Status: Issues in the Professionalization of Anglo-American Medicine in the Nineteenth Century," *Medical History*, **27** (1983), 51-68. Vivian Nutton, "What's in an Oath?," *J. roy. College of Physicians of London*, **29** (1995), 518-524, M.S.Larson, *The Rise of Professionalism*, chap.iii, 'An Analysis of Medicine's Professional Success,' Wilbert Moore, *The Professions: Roles and Rules*, Kevles, *In the Name ...*chap.xiii.]

6. Feb. 10. The Birth of the Clinic. [Gary Gutting, *Michel Foucault's Archeology of Scientific Reason*, 1989, Chap.i, 'Bachelard & Canguilhem,' Paul

Robinow, *The Foucault Reader*, 1984, "Afterword - On the Genealogy of Ethics: An Overview of Work in Progress," pp.229-252, Foucault, *The Birth of the Clinic*, 1963, Sheridan, *Foucault, The Will to Truth*, Tavistock Publ., London, pt.II, "The Genealogy of Power." Foucault, *Madness & Civilization*, chap.viii.]

7. Feb.17. Hospitals and their Evolution [Granshaw, *The Hospital*, "Companion Encyclopedia of the History of Medicine," pp.1180-1203, Rosenberg, *The Care of Strangers. The Rise of America's Hospital System*, 1987, Paul Starr, *The Social Transformation of American Medicine*, Basic Books, New York, 1982, book II, chaps i-v, "The Struggle for Medical Care," Monica Baly, Florence Nightingale and the Establishment of the first School at St. Thomas's - Myth and Reality," in: Bullough (ed), *Florence Nightingale and her Era*, 1990, pp.3-22.]

8. Feb. 24. Public Health, and Socialized Medicine [Charles Webster, *Caring for Health: History and Diversity*, 1993, Almont Lindsey, *Socialized Medicine in England and Wales, The National Health Service, 1948-1961*, University of N. Carolina Press, chaps, i & ii, Monte M. Poen, *Harry S. Truman versus the Medical Lobby, the Genesis of Medicare*, University of Missouri Press, Columbia, 1979, chaps, vi & viii, Theodore Marmor, *The Politics of Medicare*, Aldine Publishing Co., Chicago, chaps, i,v, vi.Brian Watkin, *The National Health Service: The First Phase*, chaps. i & vi., Editorial, 'Health Care in America: Your Money or Your Life,' *The Economist*, March 7, 1998, 23-26, Sven Steinmo & Jon Watts, 'It's the Institutions, Stupid! Why Comprehensive National Health Insurance Always Fails in America,' *J. Health Politics, Policy and Law*, **20** (1995), 329-372.]

9. March 3. Addiction: The Relation between Patient-Doctor and the Law [Virginia Berridge, "The Society for the Study of Addiction 1884-1988," *British Journal of Addiction*, **85** (1990), 983-1079, Caroline Acker, "Addiction and the Laboratory: The Work of the National Research Council's Committee on Drug Addiction, 1929-1939," *Isis*, **76** (1985), 31-48, From All-purpose Anodyne to Marker of Deviance...' in: Porter & Teich (eds), *Drugs and Narcotics in History*, 1995, chap.vi, 'Stigma or Ligitimation? A Historical Examination...', *J. Psychoactive Drugs*, **25** (1993), 193-205, David Courtwright, *Dark Paradise*, chap.ii, 'Addiction to opium and Morphine,']Guest Speaker: Professor Acker [Carnegie Mellon]

Spring Break March 10 No class

C. Clinical Research, Experiment and the Use of Humans

10. March 17. Vivisection and the Use of Animals . Rupke, *Vivisection in Historical Perspective*, 1987, French, *Antivivisection and Medical Science in Victorian Society*, 1975, F.B. Orland, *In the Name of Science: Issues in Responsible Animal Experimentation*, 1993, John Parascandola, "The History of Animal Use in the Life Sciences," *The World Congress on Alternatives and Animal Use in the Life Sciences: Education, Research, Testing*, Ed. Goldberg & Zutphen, 1995, Pt.1, Plenary Lectures, 11-21, Bernard, *Introduction to the Study...pt.II, chap.ii.*]

11. March. 24 Human Experimentation. [Susan Lederer, *Subjected to Science, Human Experimentation in America before the Second World War*, Bernard, *Introduction . . .*, pt.II, chap.ii. Diana Dutton, *Worse than the Disease, Pitfalls of Medical Progress*, 1988, Advisory Committee on Human Radiation Experiments, *Executive Summary and Guide to Final Report*, 1995, Henry Beecher, "Ethics and Clinical Research," *New England Journal of Medicine*, (1966), Maurice Pappworth, *Human Guinea Pigs: Experiments on Man*, Routledge, 1967, also his "Human Guinea Pigs: a History," *British Medical Journal*, **301** (1990), 1456-1460, Susan Lederer, "Hideyo Noguchi's Luetin Experiment and the Antivivisectionists," *Isis*, **76** (1985), 31-48]

12. March 31.. Clinical Trials. [Hill, "The Clinical Trial," *New England J. Med.*, **247** (1952), 113-119. Matthews, *Quantification and the Quest for Medical Certainty*, chap.v. "British Biometrics and Bacteriology", and "Conclusion," pp.141-149. R.A.Fisher, *Smoking. The Cancer Controversy, Some Attempts to Assess the Evidence*, Oliver & Boyd, Edinburgh, 1959, Robert Proctor, "The Nazi War on Tobacco: Ideology, Evidence, and Possible Cancer Consequences," *Bulletin History of Medicine*, **18** (1988), 653-701, Eveleen Richards, "The Politics of Therapeutic Evaluation: The Vitamin C Controversy," *Social Studies of Science*, **18** (1988), 653-701, Speaker from Psychology Dept. on the experimental induction of addiction in rats, 'Eric Donny, 'Acquisition of Nicotine Self-administration in Rats...', *Psychopharmacology*, **136** (1998), 83-90.]

D. Reproduction

13. April 7. Obstetrics/Gynecology & Assisted Reproduction. [Cederqvist & Fuchs, "Antenatal Sex Determination: An Historical Review," *Clinical Obstetrics & Gynecology*, **13** (1970), 159-177, Gunning, *Human In Vitro Fertilization. A Case Study in the Regulation of Medical Innovation*, Dartmouth Publ. Co., Aldershot, 1997, chap.viii, "The Human Fertilisation and Embryology Authority," Robert Edwards, *A Matter of Life: The Story of a Medical Breakthrough*, Huchinson, London, 1980, .

14. April 14. Contraception, Abortion and Sterilization. [Nicole Grant, *The Selling of Contraception: The Dalkon Shield Case, Sexuality and Women's Autonomy*, 1992, 1995. Petechesky, "Abortion and the State: 19th. Century Criminalization," in Petechesky, *Abortion and Woman's Choice*, revised ed., 1990, McLaren, *A History of Contraception from Antiquity to the Present Day*, 1990, rev. ed. 1991 [copy in Western Psych.], Brodie, *Contraception and Abortion in 19th. Century America*, 1994. Birke, Himmelweit & Vines, *Tomorrow's Child. Reproductive Technologies in the 90s*, Virage, 1990, M.McNeil et al (Eds), *The New Reproductive Technologies*, 1990. Dolgin, "Status and contract in surrogate motherhood . . ." *Buffalo Law Review*, **38** (1990), 515-550.]

15. April 21. The Human Genome Project and Cloning. [Walter Gilbert, "A Vision of the Grail," in: Kevles & Leroy Hood (Eds), *The Code of Codes: Scientific & Social Issues in the Human Genome Project*, chap. xi, also Philip Kitcher, *The Lives to Come: The Genetic Revolution and Human Possibilities*, 1996, Pauling, "Reflections on the New Biology," Introduction to: *Law Review*, **15** (1968), 267-272, Jerry Bishop and Michael Waldholz, *Genome. The Story of the Most Astonishing Adventure of our time - The Attempt to Map all the Genes in the Human Body*, Simon & Schuster, New York, 1991, chap.x, "The Map," I Wilmut et al, "Viable Offspring Derived from Fetal and Adult Mammalian Cells," *Nature*, **385** (1997), 810-813, J.B. Gurdon, *The Control of Gene Expression in Animal Development*, Harvard University Press, Cambridge, Mass., 1974, Appendix - "The Cloning of Animals", Ira Carmen, *Cloning and the Constitution* University of Wisconsin Press, Madison, 1985, M.C.Nussbaum, *Clones and Cloning...1998.*]

Instrumentation and diagnostic probes (e.g., ophthalmoscope, medical radiology and genetic probes) [Stuart Blume, *Insight and Industry. On the Dynamics of*

Technological Change in Medicine, 1992, chap.i, "Absolute Power and Clearest Insight." Wunderlich, *On the Temperature in Diseases*, 1868. C. Lawrence, "Incommunicable Knowledge: Science, technology and the clinical art in Britain 1850-1914," *J. contemp. Hist.*, **20** (1985), 503. A.B. Davis, "Life Insurance and the Physical Examination: A Chapter in the Rise of American Medical Technology," *Bull. Hist. Med.*, **55** (1981), 392, Paxton & Ambrose, "The EMI Scanner: a brief review of the first 650 patients," *British J. Radiology*, **46** (1973), 314, Lawrence, "Definite and Material: Coronary Thrombosis . . .", in *Framing Disease*, chap. iv.

6. Death:

A. Euthanasia, assisted suicide, the history of ethical attitudes to suicide [Higgs, "Cutting the Thread and Pulling the Wool: A Request for Euthanasia in General Practice," *J. Med. Ethics*, **10** (1983), 45-49, BMA, *Working Party to Review the BMA's Guidelines on Euthanasia: The Euthanasia Report*, 1988, Durkheim, *Suicide, A Study in Sociology*, 1897, MacDonald, "The Medicalization of Suicide . . .", in *Framing Disease*, chap.v., Bell, "Evolutionary and non-evolutionary Theories of Senescence," *Amer. Nat.*, **124** (1984), 600-603, Trowell, *The Unfinished Debate on Euthanasia*, 1973. .

B Infanticide, medical and legal aspects.(e.g., the flotation test) [Andrew Wilson, refs. to be supplied]