

<p>Thursday, September 6, 2007 1030-1120 Musical prelude: March Medley [READING: Charter of Medical Professionalism from <u>Ann.Int.Med.</u>, 2002, 136: 243-6.] Lecturer: Dale C. Smith, PhD</p>	<p>“Medical Students, Military Officers, and Medical History” 1) Define professional and contrast it with bureaucratic & market forces in social organization. 2) Name the fundamental principles and professional responsibilities listed in the charter of medical professionalism.</p>
<p>Tuesday, September 11, 2007, 1000-1100 [READING: G.E.R. Lloyd, "Introduction" in G.E.R. Lloyd (ed.) <i>Hippocratic Writings</i> (NY: Penguin, 1978) pp. 9-60 & DC Smith, "Hippocrates: The Oath and Modern Medicine", <i>J.Med.Hist.</i>, 51:484-500, 1996.] Lecturer: Kristin Heitman, PhD</p>	<p>“Ancient Medicine” - Explain the difference between medical practice and its context - Describe the Aesclepiad community and its relation to the Hippocratics - Describe the context, interests and tenets of at least two members of the Alexandrian School - Identify five individuals who shaped Galen's teachings and explain how Galen responded to each of them</p>
<p>Monday, September 17, 2007 1030-1120 [READING: R.Porter, <u>The Greatest Benefit to Mankind</u> (New York: WW Norton, 1997) pp.106-134;163-244.] Lecturer: Heitman</p>	<p>“The Birth of Medical Institutions - Explain the difference between individual and collective behavior” - Compare the Roman valetudinaria and the early Christian hospitals - Explain the difference between 'medicus' and 'physicus' - Describe the effects of the plague on 14th C European cities, physicians and hospitals - Explain how Vesalius came to challenge the teachings of Galen</p>
<p>Monday, September 24, 2007 0730-0820 [READING: Michael Roberts, "<i>The Military Revolution 1550-1650</i>" in CJ Rogers "<i>The Military Revolution Debate: Readings in the Military Transformation of Early Modern Europe</i>" (Boulder: Westview, 1995) pp 13-35 and Sherwin Nuland, "<i>Doctors: The Biography of Medicine</i>" (New York: Knopf, 1988) pp. 94-119.] Lecturer: Smith</p>	<p>“Gunpowder and Wound Surgeons in the Renaissance” 1) Explain the boiling oil treatment of GSW. 2) Define the role of <i>feldshers</i> in the <i>tercio</i>. 3) Explain the importance of John of Nassua in PME.</p>
<p>Monday, October 1, 2007 0830-0920 [READING Lecturer: Heitman</p>	<p>“On Becoming Learned - Identify four types of Early Modern medical knowledge rooted outside the university” - Define 'materia medica' and explain its importance to both the Early Modern medicine and its social context - Describe the origin and powers of the Royal College of Physicians - Explain why oversight of English charity hospitals moved from the Catholic church to private benefactors - Explain Boerhaave's effort to incorporate clinical training on hospital wards in university-based medical education</p>

<p>Tuesday, October 16, 2007 1300-1350 [READING] JH Warner & JA Tighe, <i>Major problems in the History of American Medicine and Public Health</i> (Boston: Houghton Mifflin, 2001) pp. 26-90.] Lecturer: Smith</p>	<p>“Patients and doctors in the 18th Century” 1) Outline the argument in equity of the Law Lords in overturning the conviction of John Rose” 2) Describe the evolution of hospital based education in 18th century. 3) Explain the origins of “<i>medical ethics.</i>”</p>
<p>Monday, October 22, 2007 0830-0920[READING:]JJ Keevil, C Lloyd and JLS Coulter, <i>"Medicine in the Navy 1200-1900"</i> (Edinburgh:Livingstone, 1957-1936) III:97-186, 293-370.] Lecturer: Smith</p>	<p>“Medicine in the Sailing Navy” 1) Outline the roles of staff and line officers in the control of scurvy in the Royal Navy. 2) Outline the changes in the US Navy as a result of the war with Mexico, particularly changes in the role of the surgeon.</p>
<p>Tuesday, October 23, 2007 1030-1120[READING:] AP Clark, <i>Military Medicine in the American Revolution</i>, s.v. <i>Encyclopedia of the American Revolution</i> (Brockport, NY, 1991).] Lecturer: COL Stephen C. Craig, MC, USA</p>	<p>“The Command of Health and Military Medical Staff Work in the American Revolution” 1) Describe the impact of John Pringle on B. Rush in the American Revolution. 2) Outline the orders re: smallpox of George Washington and explain their significance.</p>
<p>Monday, October 29, 2007 0930-1020[READING:] RJT Joy <i>Dominique Jean Larrey: Surgeon to Napoleon's Guard</i> in MG McGuinn, ed. <i>The Reynolds Historical Lectures</i> (Birmingham, Alabama, University of Alabama, 1993) pp. 187-212.] Lecturer: Craig</p>	<p>“Forward Surgical Care in Napoleon’s Army” 1) Describe the “problem” of combat casualty care in the wars of the French Revolution. 2) Outline the role and component parts of the “Flying Ambulance”</p>
<p>Monday, October 29, 2007 1030-1120 [READING:] JH Warner & JA Tighe, <i>Major problems in the History of American Medicine and Public Health</i> (Boston: Houghton Mifflin, 2001) pp. 91-195.] Lecturer: Smith</p>	<p>“The Challenge of Evidence Based Medicine: The Paris School and the Question of Effectiveness” 1) Describe the impact of the autopsy on the interpretation of clinical data. 2) Name three sectarian challenges to traditional medicine. 3) Explain the significance of J. Bigelow, “On Self Limited Disease”.</p>
<p>Tuesday, October 30, 2007 1300-1350 [READING:] RJT Joy, <i>Jonathan Letterman of Jefferson</i>, Topic: <i>Journal of Liberal Arts</i>, July, 1983) pp. 26-38. (supplement)] Lecturer:</p>	<p>“Combat Casualty Care in the American Civil War” 1) State and explain the primary reason for Letterman success. 2) Outline the components of the Letterman System.</p>

<p>Monday, November 5, 2007 0730-0820 [READING: JH Warner & JA Tighe, <i>Major problems in the History of American Medicine and Public Health</i> (Boston: Houghton Mifflin, 2001) pp. 196-274; & K Keele, <i>The evolution of clinical methods in medicine</i> (London: Pitman, 1963) pp. 50-109.] Lecturer: Smith</p>	<p>“Experiments in Biology-The Laboratory Impacts Medicine” 1)Outline the development of germ theory by L. Pasteur. 2)Define “experimental medicine” as used by C. Bernard. 3)Name and describe the impact of three technical innovations made by the students of R. Koch. 4)Outline the impact of embryological work on medicine.</p>
<p>Tuesday, November 6, 2007 1030-1120 [READING: D Porter, <i>Health, Civilization and the State</i> (London: Routledge, 1999) pp. 111-162.] Lecturer: Smith</p>	<p>“Science + Economics + Social Policy = Public Health Reform” 1)Outline the role of E. Chadwick in Victorian public health. 2)Describe the impact of bacteriology on public health in NYC. 3)Outline the professional tension created by mandatory disease reporting</p>
<p>Friday, November 16, 2007 0730-0820 [READING: DC Smith, “The evolution of modern surgery: a brief overview,” in SH Greenblatt (ed.), <i>A History of Neurosurgery</i> (Park Ridge, IL: AANS, 1997) pp. 11-26 & DC Smith, “Surgery: Its not a random event”, <i>Caduceus</i>, 12(3):19-38, 1996., JH Warner & JA Tighe, <i>Major problems in the History of American Medicine and Public Health</i> (Boston: Houghton Mifflin, 2001) pp. 317-348; & GB Shaw, <i>The Doctor’s Dilemma</i>, “Preface” Lecturer: Smith</p>	<p>“Surgery and Pharmacy at the Turn of the Century Science: Therapeutic Miracles:” 1)Explain the ethical challenges created by the new surgery. 2)Outline the problems of continuing education created by the introduction of new pharmaceuticals.</p>
<p>Tuesday, November 20, 2007 1030-1120 [READING: C Newman, <i>The evolution of medical education in the 19th century</i> (NY: Oxford University Press, 1957) pp. 194-264.] Lecturer: Smith</p>	<p>“Professionalism and the New Scientific Practitioner” 1)Describe the AMA battle over the Code of Ethics in the 1880s. 2)Outline the process of medical reform in Britain from 1815-1911. 3)Outline the Reformed AMA structure of the early 20th century and illustrate its impact on health policy in America.</p>
<p>MIDTERM</p>	<p>Tuesday, November 20, 2007 1200 DUE NLT 0900 Wednesday, November 28</p>
<p>Thursday, January 10, 2008 1300-1300 Lecturer: Smith</p>	<p>“The “Scientific” Practitioner and Medicine for the Family” 1) Review the “values” associated with the medical profession in 1900 2) Outline the impact of science in women’s health 3) Outline how safe milk and infant feeding relates to the origin of pediatrics</p>

<p>Thursday, January 17, 2008 0730-0820 [READINGS: "Malaria in American Troops in the South and South Pacific in WWII", <i>Medical History</i> 43, 192-207, 1999 and AE Cowdrey, <i>Fighting for Life</i> (New York: Free Press, 1999) pp 177-191.] Lecturer: Craig</p>	<p>War, Empire & Disease: Military Medicine Enters the 20th Century</p>
<p>Tuesday, January 22, 2008 1030-1120 Lecturer: Smith</p>	<p>"Battleships and Hospital Ships" 1) Outline the development of special medical officer education in the Navy and explain how it was coordinated with professional naval education. 2) Outline the development of the medical doctrine for combat casualty management in steel ships.</p>
<p>Wednesday, January 23, 2008 0830-0920 [READING: IR Whitehead, <i>Doctors in the Great War</i> (London: Leo Cooper, 2000) pp 181-251] Lecturer: Craig</p>	<p>"The Great War and the organization of forward care" 1) Explain the evolution of the concept of shock in WW1. 2) Outline the emerging of PIE therapy for NP casualties in WW1. 3) Outline the medical care of chemical casualties as it emerged in WW1.</p>
<p>Tuesday, January 29, 2008 0830-0920 [READING: D Robinson, <i>The Dangerous Sky</i> (Seattle: University of Washington Press, 1973) pp 72-201] Lecturer: Craig</p>	<p>"Man and Machine: the challenge of aviation medicine" 1) Explain how the medical problems of the special aviation environment were recognized prior to 1920. 2) Outline the role of research in solving problems of the man-machine interfere in aviation medicine.</p>
<p>Thursday, January 31, 2008 1300-1350 Lecturer: Smith</p>	<p>"Infection and the Promise of Magic Bullets" 1) Outline the development of clinical therapy against bacterial disease 2) Describe how the "clinical needs" of patients and practitioners contributed to antibiotic resistance</p>
<p>Tuesday, February 5, 2008 1300-1350 [READING: HF Dowling, <i>Fighting Infection</i> (1977), pp23-54, 193-249, and AS Benenson "Immunization and Military Medicine" <i>Rev. Inf. Dis.</i> 1984, 6:1-12.] Lecturer: Smith</p>	<p>"Just a Little Shot: compulsory immunization in Anglo American policy" 1) Describe the different traditions toward compulsion in US and UK. 2) Outline the impact of typhoid fever immunization on US forces. 3) Describe the social trade offs associated with compulsion.</p>

<p>Thursday, February 7, 2008 1030-1120 [READING: DC Smith, "Military Medicine" in John E. Jessup (ed.) <i>Encyclopedia of the American Military</i> (New York: Charles Scribners' Sons, 1994), pp. 1575-1626.] Lecturer: Smith</p>	<p>"Medicine in WW2: the impact of specialty medicine in the military" 1) Outline the efforts to get blood forward in WW2. 2) Describe the role of auxiliary surgical groups in the MTO & ETO 3) Using the problems of cold injury explain the role and limitations of special staff in operational medicine.</p>
<p>Tuesday, February 12, 2008 1030-1120 [READING: JS Nanney, <i>Army Air Forces Medical Services in World War II</i> Washington: Air Force History Program, 1998), AE Cowdry, <i>Fighting for Life</i>, (New York: Free Press, 1999) pp 197-219.] Lecturer: Smith</p>	<p>"Military Innovation and the medical problems of patient evacuation" 1) Outline the development of the field role of the HC. 2) Describe the problems faced by BuMed in support of amphibian operation. 3) Outline the three issues which shape aeromedical evacuation.</p>
<p>Thursday, February 14, 2008 1030-1120 [READING: RG Maulitz & DE Long (eds.) <i>Grand Rounds: One Hundred Years of Internal Medicine</i> (Philadelphia: University of Pennsylvania, 1988) pp. 3-84.] Lecturer: Smith</p>	<p>"Risk Factors and Chronic Disease" 1) Outline the development of biostatisticians in the twentieth century. 2) Define the crucial contribution of J. Goldberger and E. Syden stricken to chronic disease epidemiology. 3) Use hypertension to illustrate the role of patient autonomy in successful medical practice.</p>
<p>Tuesday, February 19, 2008 0730-0820 [READING] Lecturer: Smith</p>	<p>"The Drug Therapy Revolution and CME"</p>
<p>Friday, February 22, 2008 0730-0820 [READING: and Spurgeon Neel, <i>Medical Support of the US Army in Vietnam 1965-1970</i>, Washington GPO, 1991) pp33-78, 162-182. and D. Lindsey, "Professional considerations of patient evacuation", in: <u>Recent Advances in Medicine and Surgery...Korea</u>, vol.1, Washington, DC, Army Medical Services Graduate School, 1954, pp. 69-99.] Lecturer: Smith</p>	<p>"Military Medicine and the Cold War" 1) Describe the development of the doctor draft. 2) Outline the development of the helicopter tactical evacuation system. 3) Describe the development of the M.A.S.H. unit from 1947 through 1983.</p>
<p>Tuesday, February 26, 2008, 0730-0820 [READING: Lester Breslow & Devra Miller Breslow, in <i>"Historical Perspectives on Cancer Control"</i>, <u>Readings in American Health Care: Current Issues in Socio-Historical Perspective</u> edited by William G. Rothsetin (Madison: The University of Wisconsin Press, 1995) pp.364-74.] Lecturer: Smith</p>	<p>"Breast Cancer and the Challenge of Patient Care" 1) Outline the development of therapeutic trials in CA. 2) Describe the impact of clinical pathology on cancer therapy. 3) Define the role of special interest groups in modern medicine.</p>

<p>Thursday, February 28, 2008 0830-0920 [READING: FS Collins, <i>Shattuck Lecture-medical and societal consequences of the human genome project</i> <u>N.Eng.J.Med.</u> 1999, 341(1):28-37, JA Wolff, J Lederberg, <i>An early history of gene transfer and therapy</i>, <u>Hum Gene Ther</u> 1994 5:469-80.] Lecturer: Smith</p>	<p>“Inborn Errors of Metabolism and Genetics in Medicine” 1) Describe the “heritage” of the eugenics movement. 2) Outline the emergence of genetic medicine. 3) Describe the impact of molecular biology on practice</p>
<p>Tuesday, March 4, 2008 1000-1050 0830-0920[READING:William Rothstein (ed.), <u>Readings in American Health Care</u> (Madison: Univ. of Wisconsin, 1995) pp. 239-253;266-276;307-321.] Lecturer: Smith</p>	<p>“Tricare and Paying the Doctor” 1) Describe the development of HMOs. 2) Define “flat of the curve” medicine. 3) Outline the history of dependent care benefits.</p>
<p>Thursday, March 6, 2008, 0830-0920 0730-0820 Lecturer: Smith</p>	<p>“Military Medicine in our Time”</p>
<p>FINAL EXAM ISSUED ELECTRONICALLY 8 APRIL 2008 @1200</p>	<p>Due NLT 14 April at 0900</p>