

BIOL 1V00.PAC Directed Readings in Health Care

Spring 2013
Dr. Richard Scotch
Phone: 972-883-2922

Monday 9:00 - 9:50 a.m.
Email: richard.scotch@utdallas.edu
Office Hours: Monday 10 - 10:30 a.m. and by appointment

Classroom: RHW 1.001
Office: GR3.510

This course is directed to students enrolled in the PACT program, and will cover a number of topics related to the medical profession and health care. In addition to bioethics topics to be addressed by Dr. Richard Scotch, class sessions will be held by Dr. Steve Cannon, M.D. and Dr. Donald Hilgemann, Ph.D. from UT Southwestern, Dr. Michael Deegan M.D., who is developing medical management programs at UT Dallas' School of Management, and possibly some additional guest speakers.

Course requirements include two papers addressing bioethical issues raised in the two major books (20% each); short reports on class presentations and activities (20%); problem sets on the topics to be covered by Drs. Cannon and Hilgemann (30%); and class attendance (10%). Information on the two papers and reports will be distributed in class on an ongoing basis. The assigned problem sets will emphasize the application of scientific principles to clinical care. Student collaboration on the problem sets is encouraged and proposed solutions will be reviewed in class.

Primary course readings include two books, Anne Fadiman, *The Spirit Catches You and You Fall Down* (Farrar, Straus and Giroux, 2012 edition, ISBN 978-0374533403) and Rebecca Skloot *The Immortal Life of Henrietta Lacks* (Broadway Books, 2010, ISBN 978-1400052189). Both books are readily available from multiple sources; new editions can be found on-line for less than \$10 each. Additional reading assignments may be posted on the course website and/or distributed in class.

Course Outline (subject to revisions announced in class)

January 14	Introduction to Biomedical Applications of Science and Mathematics (Cannon / Hilgemann)
January 21	Martin Luther King Holiday – No Class Meeting
January 28	Pharmacokinetics I – dose intervals and drug levels (Cannon)
February 4	Bioethical Principles: Beneficence and Autonomy I (Scotch)
February 11	Pharmacokinetics II – patient scenarios (Cannon / Hilgemann)
February 18	Emotional Intelligence and Medical Practice (Deegan)
February 25	Diffusion – Getting there from here (Hilgemann)
March 4	Bioethical Principles and Culture: Discussion of Fadiman reading (Scotch)
March 11	Spring Break – no class meeting
March 18	TBD (Hilgemann)
March 25	Biomedical Research Ethics I: Historical Overview (Scotch)
April 1	Biomedical Research Ethics II: IRB (UTD Office of Research Integrity)
April 8	Core Attributes of Learned Professionals (Deegan)
April 15	Biomedical Research Ethics III: Discussion of Skloot reading
April 22	Guest Speaker TBA
April 29	Semester wrap-up

Information on university policies related to this class may be found at <http://go.utdallas.edu/syllabus-policies>.