

KINE 320 – Issues in Health

Spring 2016, TuTh 11:00-12:20 Andrews Hall 101

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Office Hours: TuTh 1-2 PM
or by appt.

Course Description

This course will examine contemporary issues in health such as HIV/AIDS, stem cell research, genetic testing, cancer, etc. The course will focus primarily on the scientific aspects of these issues and will provide students with the necessary skills to investigate future issues on their own.

Objectives

Upon successful completion of this course, the student will be able to:

1. Identify current trends and issues in health
2. Investigate the scientific aspects of current and future issues in health
3. Evaluate information and sources of information related to health
4. Communicate information regarding issues in health both orally and in writing
5. Develop skills to investigate and evaluate future issues in health

Course Evaluation

The student's final grade will be determined as follows:

Homework/Participation	= 10%
Exam 1 (2/25/16)	= 25 %
Paper (3/3/16)	= 15 %
Exam 2 (4/7/16)	= 25 %
Final Exam (comprehensive)	= 25 %
(5/11/16, 2:00-5:00 PM)	100 %

Required Textbook

Skloot, Rebecca. *Immortal Life of Henrietta Lacks* (10th ed.). (2011). New York City, NY: Broadway Books.

Leggatt, Jeremy (translator) and Bauby, Jean-Dominique. *The Diving Bell and the Butterfly*. (1998). Knopf Doubleday Publishing Group.

Silver, Lee M. *Remaking Eden: Cloning and Beyond in a Brave New World*. (1998). London: Weidenfeld and Nicolson.

There is no other required textbook for this course. The course will rely primarily on internet and library resources. A basic biology textbook is recommended for use as a reference.

Tentative Course Schedule/Topics

DAY	DATE	LECTURE	NOTES
Th	21-Jan	Introduction/Global/International Health Issues	Immortal Ch 1-4 (41 pages)
Tu	26-Jan	Global International Health Issues	Immortal Ch 4-8 (24 pages)
Th	28-Jan	National Health Issues, Cardiovascular Disease	Immortal Ch 9-12 (25 pages); Quiz 1 (Ch 1-8)
Tu	2-Feb	Cardiovascular Disease, Cancer	Immortal Ch 13-16 (33 pages)
Th	4-Feb	Cancer	Immortal Ch 17-20 (30 pages); Quiz 2 (Ch9-16)
Tu	9-Feb	Cancer/Exercise & Prevention	Immortal Ch 21-24 (40 pages)
Th	11-Feb	Research Ethics	Immortal Ch 25-28 (32 pages); Quiz 3 (Ch17-24)
Tu	16-Feb	Research Ethics	Immortal Ch 29-32 (35 pages)
Th	18-Feb	HIV/AIDS	Immortal Ch 33-37 (42 pages); Quiz 4 (Ch25-37)
Tu	23-Feb	HIV/AIDS	
Th	25-Feb	EXAM 1	Diving Bell (pages 3-46)
Tu	1-Mar	Right-to-Die	Diving Bell (pages 47-88)
Th	3-Mar	Right-to-Die (PAPER DUE)	Diving Bell (pages 89-131)
Tu	8-Mar	SPRING BREAK	
Th	10-Mar	SPRING BREAK	
Tu	15-Mar	Abortion	Remaking Ch 1-2 (40 pages)
Th	17-Mar	Abortion/Fertility	Remaking Ch 3-4 (32 pages)
Tu	22-Mar	Fertility/Stem Cells	Remaking Ch 5-6 (18 pages); Quiz 1 (Ch 1-4)
Th	24-Mar	Stem Cells	Remaking Ch 7-8 (26 pages)
Tu	29-Mar	Cloning	Remaking Ch 9-10 (35 pages); Quiz 2 (Ch 5-8)
Th	31-Mar	Cloning/Organ Transplant	Remaking Ch 11-12 (22 pages)
Tu	5-Apr	Organ Transplant	
Th	7-Apr	EXAM 2	
Tu	12-Apr	Gene Patenting	Remaking Ch 13-14 (27 pages); Quiz 3 (Ch9-12)
Th	14-Apr	Gene Patenting/Genetic Information Rights	Remaking Ch 15-16 (26 pages)
Tu	19-Apr	Transgenic Art/Review	Remaking Ch 17-18 (47 pages); Quiz 4 (Ch 13-16)
Th	21-Apr	Drug Discovery	Remaking Epilogue/Afterward (27 pages)
Tu	26-Apr	Drug Discovery/Antibiotic Resistance	Quiz 5 (Ch 17 - Epilogue/Afterward)
Th	28-Apr	Marijuana/Bioweapons	
W	11-May	Final Exam (2-5 PM)	