

BIOL 291(211) Health Service and Biomedical Analysis**Instructor: Joan Slonczewski. Office: Higley 302 Year: 2015**

This course connects community health service with biomedical analysis of health issues that have local and global significance. Students perform health service in the community, a minimum of 4 hours per week, either at the [College Township Fire Department \(FD\)](#) or at the [Knox Community Hospital Emergency Room \(KCH\)](#). The class meets Mondays 1:10-4:00 in FSH 103. From the perspective of our health service, we will analyze health issues of local and global communities. We will synthesize information from molecular medicine with the societal dimensions of health care.

Date	Subject	Readings—See Moodle
Aug 31	Introduction. KCH orientation. FD: Continue CPR discussion	Er 2009
Sep 07	Pain Management and Drug Abuse	MVNews; Pizzo2012; Woldehaim- anot2014; Nakamura2013; Cepeda2013; Berge2009
Sep 14	Diabetes and Metabolic Disorders.	Dia-Care-2014; Johnson2013; Cai 2014; Sawa2014; Sofi2014
Sep 21	Immune System.	S&F Ch 23, 24; Student articles
Sep 28	Vaccinations. Polio eradication. <i>The Last Child.</i>	Gans 2013; K.N.O.W.; SFMB Polio; Polio Facts.
Oct 05	MRSA and <i>C. difficile</i> .	Heidelberg; CDC Photos; Zhao2012; Gao 2010; Jury 2013; Song 2013.
Oct 12	Pregnancy and delivery.	Moodle refs; Mid-course survey
Oct 19	Fire fighting injuries. EMT demo at firehouse.	Moodle refs; Identify your own articles for Wiki page
Oct 26	Young doctor schedules	Moodle refs
Nov 02	HIV/AIDS (Liz and Sebastian)	Moodle refs
Nov 09	Mental Illness (Ben and Katja)	Moodle refs 11:59pm Text on Moodle. Figures on Wiki page.
Nov 16	Visitor: Kachen Kimmel (Mayor) Cancer virotherapy (Erick and Eliana)	Moodle refs 11:59 MicrobeWiki COMPLETE.
	Thanksgiving	
Nov 30	STIs (Charlotte and Emma)	Moodle refs
Dec 07	Safe water (Kay and Santi) 3:00 Jen Odenweller (Director CE) 3:30 Sean Decatur (President)	Final Wiki due Dec 17 4:30

Assignments. Readings are provided on Moodle or in class. All reading is due before class Monday. Your responsibility is to complete the week's assigned reading before class; to arrive at class on time; and to discuss the reading material. Quizzes on reading may occur. Bring PC to class if possible; some PCs will be available.

Journal entry. Due on Moodle every **Wednesday by 10:00pm**. The journal consists of a description of your health service in the past week; and one research article PDF uploaded to Moodle. Journals are confidential, and they must avoid names or other identifiable traits of patients or clients served. Your article should have a focus related to your service, or to a health topic you would like our class to discuss in the future.

MicrobeWiki page. The page must focus on a question in biomedical research. The topic must include a microbial dimension, though it can be a minor aim. The text (3,000 words) will be submitted to Turnitin, **before** uploading to the Wiki site.

Attendance. 100% attendance is expected. If illness prevents your service commitment, you must immediately inform your supervisor.

Evaluation. The most important factor in your grade will be your personal integrity and dependability. Our community will be counting on your service--and your classmates will be counting on you for Monday discussions. Each student will be evaluated by the service provider (FD or KCH) and by the instructor.

Final grade is based on:

- 25% KCH or FD service evaluation
- 25% Service journals
- 25% Reading, attendance, participation
- 25% Wiki page

No Pass/D/Fail. Passing the course requires completion of service and passing all four components of the course.

Disability accommodations. Students who anticipate they may need accommodations in this course because of the impact of a learning, physical, or psychological disability **must see me ASAP** or contact Erin Salva, Director of Student Accessibility and Support Services (740-427-5453 or salvae@kenyon.edu). Health and safety require us to be aware of any special needs before students perform service.

Academic Honesty. It is the responsibility of each student to learn and practice the proper ways of documenting and acknowledging those whose ideas and words you have drawn upon (see Academic Honesty and Questions of Plagiarism in the Course Catalog). Ignorance or time pressures are no excuse for academic dishonesty.

Statement of Non-Discrimination. Kenyon College does not discriminate in its educational programs and activities on the basis of race, color, national origin, ancestry, sex, gender, gender identity, gender expression, sexual orientation, physical and/or mental disability, age, religion, medical condition, veteran status, marital status, or any other characteristic protected by institutional policy or state, local, or federal law. The Title IX coordinator is: Linda Smolak (740-427-5820 or smolak@kenyon.edu).