

Global and Public Health

PUBH 240: Epidemiology in Developing Countries

Please refer to the <u>faculty page</u> for this semester's instructor.

Course Description

This course features the practical use of epidemiology and spreadsheet models for estimating morbidity and mortality, developing intervention or prevention strategies, and setting program priorities in developing country settings. The course also examines the process of policy formulation and resource allocation to international health and disease control.

Course Objectives

To provide the student with the following:

- 1) Introduction to the epidemiological basis for disease prevention and control programs in the developing world.
- 2) Overview of simple, practical methodologies to obtain and validate information.
- 3) Understanding of the usefulness and validity of epidemiologic data sources in developing countries.
- 4) An understanding of how to use epidemiologic data to inform setting health program priorities.

Class Time: This class meets once a week, for a two-hour session. Please note that students concentrating in public health will also be required to attend weekly academic field visits as part of their coursework.

Course Schedule Session 01/15 Introduction □ Infectious diseases concepts Session 02/15 Communicable disease epidemiology □ Distribution and determinants of disease

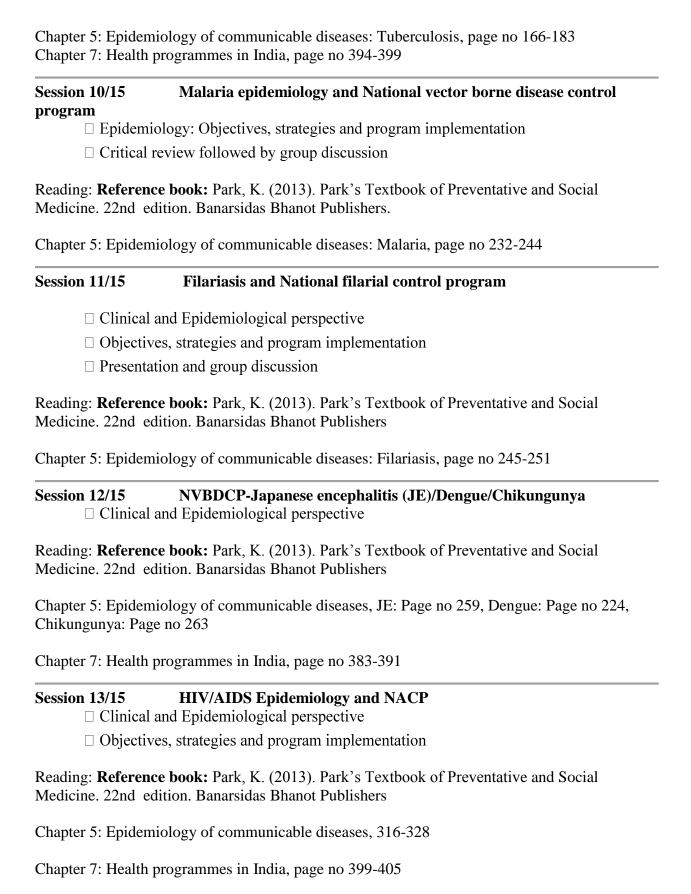
Rev. 12.02.2015

Session 03/15 Communicable disease epidemiology ☐ Natural history of diseases								
Sessio	on 04/15 □ Concept	Epidemiology of infectious diseases ts of Epidemiological triad						
	\square Control							
	□ Elimination							
	☐ Eradica	tion						
Sessio	on 0/15 □ Concept	Epidemic/Endemic/Pandemic as and case studies						
Sessio	on 06/15 ☐ Concept	Disease prevention and control as of prevention and control						
Readi	ng for sessi	on 1-6:						
Park,	Chapter 2: Chapter 3:	ark's Textbook of Preventative and Social Medicine. 22nd edition. Banarsidas Concept of health and disease (Page no: 12-15, 17-19, 30-42) Principles of Epidemiology and Epidemiologic methods (Page no: 58-67, 89-7, 111-118)						
Sessio	on 07/15	Midterm Exam						
Sessio	on 08/15 □ Epidem	Early childhood infections and Pneumonia iology, prevention and control						
	-	ce book: Park, K. (2013). Park's Textbook of Preventative and Social dition. Banarsidas Bhanot Publishers.						
Chapte 164	er 5: Epiden	niology of communicable diseases: Acute respiratory infections, page no 157-						
Sessio		Tuberculosis Epidemiology and RNTCP ves, strategies and program implementation review followed by group discussion						

Rev. 12.02.2015

Reading: Reference book: Park, K. (2013). Park's Textbook of Preventative and Social

Medicine. 22nd edition. Banarsidas Bhanot Publishers.



Rev. 12.02.2015

Session 14/15 Revision Class

Session 15/15 Final Exam

Online Resources

Government of India: Ministry of Health and Family Welfare. http://mohfw.nic.in/

Evaluation

Midterm Exam 50 %

Final Exam 50 %

Both exams would be of 20 marks each.

Instructions for the exam: (Objective Structured Practical Evaluation)

- There will be total of 10 questions
- Total of 2 marks per question
- 5 minutes for each question
- Total duration 50 minutes

Attendance Requirements

Class attendance is mandatory. It is essential that the students participate fully in the coursework and all required academic activities. Excused absences may only be approved by the Resident Director, and students are expected to make up any missed work. Unexcused absences will adversely affect grades.

Grading

Alliance programs utilize the follow standard grading policy well accepted by most US institutions.

Excellent	A	93-	Good	B+	87-89%	Acceptable	C+	77-79%
		100%						
	A-	90-92%		В	83-86%		С	73-76%
				B-	80-82%		C-	70-72%
						Unsatisfactory	D+	67-69%
							D	63-66%
							D-	60-62%
						Failing	F	<60%

Rev. 12.02.2015 4

Course Policies

Exams and Assignments

Students are required to take all regularly scheduled exams in courses for which they are registered, and to submit all assignments on time. Any compelling academic, personal, or medical reason that might justify a rescheduled exam or assignment must be brought up to both the Resident Director and program faculty. Failure to take scheduled exams or submit the requisite assignments for a course will adversely affect your grade as per the stated grading criteria for each course.

Classroom Conduct

Student punctuality is extremely important in China and India. Please do not be late for classes or other activities, as it is considered impolite to do so. It is improper to eat in class, to engage in other activities such as texting, or to slump or nap. Students are expected to be alert and engaged as a sign of respect for their professors.

Attendance

Class attendance is mandatory. It is essential that the students participate fully in the coursework and all required academic activities. Authorized absences may only be approved by the Resident Director, and students are expected to make up any missed work. Unauthorized absences will adversely affect a student's grades.

Rev. 12.02.2015 5