

PLEASE PAY ATTENTION TO PRE-REQUISITES AND REGISTRATION COMMENTS!

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S)	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
600	001	PRINCIPLES OF EPIDEMIOLOGY (3 credits) Must register for one lab section: sections 601-602 (see below)	An introductory course that considers the meaning and scope of epidemiology and the uses of morbidity, mortality, and other vital statistics data in the scientific appraisal of community health.		Schoenbach, Alexander	T	3:30-4:45	RO 133	For questions about any EPID 600 section, contact Lorraine Alexander, 966-7423
600	601	PRINCIPLES OF EPIDEMIOLOGY *LAB*	See above	See above	See above	T	5:00-6:50		
600	602	PRINCIPLES OF EPIDEMIOLOGY *LAB*	See above	See above	See above	W	4:00-5:50		
620I	001	AGING AND HEALTH (cross-listed as SOWO 604I; administering department: SOWO) (3 credits)	Introduction to normal aging, diseases of aging, mental health issues, and use of health services by older persons.	None	Zimmerman, Sloane	T	5:00-8:00		
689	001	RESOURCES FOR INTERNATIONAL STUDENTS (1 credit)	Structured opportunities for international students to become informed about U.S. academic and cultural issues as they pertain to their training in epidemiology. Not for degree credit.	Required for first year international students.	Colvin	F	1:00-2:50		
690	001	PROBLEMS IN EPIDEMIOLOGY: INDEPENDENT STUDY (1 or more credits, depending on scope of planned work)	A course for students who wish to make an intensive study of some special problems in epidemiology. Reserved for students making independent study arrangements with individual instructors.	Permission of instructor required		N/A	N/A	N/A	Go to Student Services Office (MC2106) to register

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S)	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
690	002	PROBLEMS IN EPIDEMIOLOGY: QUANTITATIVE EVALUATION OF PUBLIC HEALTH INTERVENTIONS (2 credits)	This course focuses on epidemiologic methods for evaluating the effects of public health interventions. The course is designed for students in infectious disease and injury control. Topics include ecologic & time series designs, community-level trials, case-control studies of interventions, and fundamentals of randomized controlled trials. The course concepts are illustrated with real-life examples and published studies from the fields of infectious disease and injury control. The course is taught through a mix of didactic lectures, class and home exercises, and seminar-style discussions of assigned readings.	Pre-requisite: EPID 710	Marshall, Pettifor	MW	9:00-9:50	RO 228	
690	003	PROBLEMS IN EPIDEMIOLOGY: INTRODUCTION TO PUBLIC HEALTH INFORMATICS (1 credit)	Gain an overview of the history and significance of public health informatics; discuss public health information systems in use today and their roles within the broader health care system; hear first-hand experiences from practicing public health professionals working or conducting research in this area. This is the intro course for a new grad-level Certificate in Public Health Informatics currently under development	None	Ising	R	2:00-2:50	MC 1303	

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S) [T=Tues] [R=Thurs]	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
700	001	PROBLEMS IN EPIDEMIOLOGY: SAS AND DATA MANAGEMENT (3 credits)	Introduction to statistical analysis, programming and data management using the SAS programming language	EPID majors only	Keil	W F	11:00-12:50 9:00-10:50	HSL 307 RO 201	
705	001	INTRODUCTION TO LOGIC AND PROBABILITY LOGIC IN EPIDEMIOLOGY (2 credits)	Covers valid and fallacious arguments, the probability calculus, interpretations of probability, probabilistic fallacies, application of Bayes' theorem, and interpretation of P-values and confidence intervals in epidemiologic research.	Co-requisite: EPID 710. Non-majors must be waitlisted thru EPID Student Services Office	Poole	TR	9:30-10:45	HC 0001	Class begins on Tuesday, Sept. 6
710	001	FUNDAMENTALS OF EPIDEMIOLOGY (4 credits) Must register for one lab section: sections 601-604 (see below)	An intensive introduction to epidemiologic concepts and methods for students intending to engage in, collaborate in, or interpret the results of epidemiologic studies. Some familiarity with biomedical concepts may be needed. An alternate to EPID 600 for satisfying the SPH core requirements.	Co-requisite: BIOS 600	Marshall, Olshan, Rosamond	TR	11:00-12:15	MC 2301	
710	601	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Marshall	M	10:00-11:50	MC 2302	
710	602	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Marshall	M	10:00-11:50	MC 2303	
710	603	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Marshall	M	12:00-1:50	MC 2302	
710	604	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Marshall	M	12:00-1:50	MC 2303	

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S)	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
						[T=Tues]			
						[R=Thurs]			
711	001	CLINICAL MEASUREMENT/ EVALUATION (cross-listed as PUBH 760; administering department: PUBH) (3 credits)	Introduction to clinical epidemiology. Provides a broad-based introduction to the concepts and methods of epidemiology with particular emphasis on their application to clinical research, clinical practice, and health care policy.	EPID or HC&P MPH and MSCR majors only	Miller, Loehr	TR	2:00-3:15		
718	001	EPIDEMIOLOGIC ANALYSIS OF BINARY DATA (3 credits)	Concepts and applications, including logistic regression, binomial regression, model building strategy, additive and multiplicative interaction, and graphical exploration. Includes computer-based experience with real data.	Pre-requisites: EPID 715 and demonstrated computer competence in data analysis. Permission required for non-majors.	Richardson, Robinson	W F	11:00-11:50 11:00-12:50	MC 2301	Non-majors go to Student Services Office (MC2106) to be waitlisted.
719	001	READINGS IN EPIDEMIOLOGIC MODELING (1 credit)	Students currently enrolled in EPID 718 may optionally register for this companion seminar in which additional readings in the philosophy and technique of epidemiologic modeling will be explored in greater depth.	Co-requisite: EPID 718	Poole	W	12:00-12:50	MC 2301	Non-majors go to Student Services Office (MC2106) to be waitlisted.
725	001	RESEARCH PLANNING WORKSHOP (0.5 credits)	This course is designed to guide students through the initial stages of formulating an epidemiologic research topic and plan, leading towards the development of a full research proposal. THIS IS A PRE-REQUISITE FOR EPID 726.	EPID majors only. Permission of instructor required if not in at least second year of doctoral program. REFER TO GUIDELINES AT http://www.sph.unc.edu/epid/course_specific_preparation	Gammon, Heiss, Meshnick	T	3:30-5:00	RO 228	SELECTED DATES ONLY (TBA)

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S)	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
						[T=Tues]			
						[R=Thurs]			
730	001	ADVANCED METHODS IN EPIDEMIOLOGY: META-ANALYSIS (1 credit)	A course for advanced students exploring methodological issues in epidemiology, including measurement error, missing data, intermediate variables, complex study designs and modeling techniques, meta-analysis, splines, and other topics		Poole	TR	12:30-1:45	MC 2301	Class meets Sep 20 thru Oct 27
735	001	CARDIOVASCULAR DISEASE EPIDEMIOLOGY (3 credits)	Review of the main causes of cardiovascular disease morbidity and mortality, and their population determinants. Topics include relevant pathology, risk factors, epidemiologic methods, and strategies for prevention.	Co-requisites: introductory epidemiology and introductory biostatistics	Heiss, Rosamond	M	9:00-11:50	RO 101	
745	001	MOLECULAR TECHNIQUES FOR PUBLIC HEALTH RESEARCH (2 credits)	Theory and application of selected nucleic acid and protein based techniques for public health research, including topics of sample preparation, PCR, DNA sequencing, genotyping, microarrays, immunoblotting, and immunohistochemistry.	Undergraduate level biology and genetic course(s)	Stamm, Dorsey	MW	1:00-1:50	MC 2304	
750	01W	FUNDAMENTALS OF PUBLIC HEALTH SURVEILLANCE (3 credits)	This course provides the conceptual foundations and practical skills for designing and implementing surveillance systems, for using surveillance data for the conduct and evaluation of public health programs and research.	Permission required	Irwin, Baker, Alexander	Web-based	Web-based	N/A	Contact Lorraine Alexander for permission to enroll

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S) [T=Tues] [R=Thurs]	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
753	001	PREVENTION & CONTROL OF INFECTIOUS DISEASES AT THE LEVEL OF THE COMMUNITY (3 credits)	Discussion of issues from the ground up, with a primary focus at the county and state level. Topics will include surveillance and control of diseases such as STDs, TB, hepatitis, HPV, and CT at the local level; public health vs individual rights. We hope to bridge epidemiological concepts with community activities and real world health department issues.	None	Leone, Weber	M W	10:00-11:50 10:00-10:50	RO 235	
756	001	CONTROL OF INFECTIOUS DISEASES IN DEVELOPING COUNTRIES (3 credits)	Epidemiology of the major infectious diseases in developing countries. Understanding surveillance, prevention and control strategies appropriate for poor countries. Special attention will be paid to water-borne diseases, tuberculosis, malaria, and helminthiases		Meshnick	TR	2:00-3:15	MC 2304	
771	001	CANCER EPIDEMIOLOGY METHODS (3 credits)	Interpreting cancer statistics, lead time/length time bias, screening, causation, multistage models, study designs. Applications include: cancer and infectious disease, risk assessment, genetic and molecular epidemiology of cancer, and public policy issues.	*PRE*-requisites: EPID 715 & BIOS 545	Millikan	TR	9:30-10:45	HC2005	
772	001	CANCER PREVENTION AND CONTROL (cross-listed HPAA 765, HBHE 765, administering department: HPAA) (3 credits)	An interdisciplinary overview of cancer prevention and control. Emphasis on projects and activities from perspectives of epidemiology, health behavior and education, and health policy and administration. Appropriate research design and methodologies will be covered.		O'Malley	TR	3:30-4:45		

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S)	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
805	001	CLINICAL EPIDEMIOLOGY AND CLINICAL RESEARCH METHODS (4 credits)	Intense interdisciplinary approach to clinical research intended primarily for physicians committed to clinical investigation. Epidemiologic, social science, and decision-analytic methods; medical ethics, health policy, health economics, medical care epidemiology.	Must be MSCR student and/or participant in K-30 program	Hanson, Gaynes, Miller, Adimora	MF	2:00-3:50	RO 228	
818	001	ANALYTICAL METHODS IN NUTRITIONAL EPIDEMIOLOGY (cross-listed as NUTR 818, administering department: NUTR) (3 credits)	This course teaches the skills and techniques required to study dietary exposures, anthropometric status, and disease outcomes. Students will gain skills in analysis and interpretation of anthropometric data. Concepts and applications include: quantification and measurement of dietary intake; use and management of nutrition monitoring data sets; application and interpretation of epidemiologic and statistical methods for the analysis of these data (such as linear and logistic regression and hazard modeling); and appropriate use and interpretation of anthropometric indices.	*PRE*-requisite: EPID 600, EPID 813 and BIOS 545 or permission of instructor.	Adair	M M	9:00-10:20 11:00-12:30	MC 2305 RO201A	
851	001	REPRODUCTIVE/PERINATAL EPIDEMIOLOGY (cross-listed as MHCH 851; administering department: EPID) (3 credits)	Epidemiology of major reproductive health outcomes, including infertility, fetal loss, birth weight, congenital malformations, and infant mortality. Current knowledge regarding epidemiology of these outcomes. Discussion of methodologic issues specific to reproduction.	PRE-requisite: EPID 600 OR Co-requisite: EPID 710	Daniels	TR	2:00-3:15	RO 228	

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S)	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
						[T=Tues]			
						[R=Thurs]			
891	001	DOCTORAL SEMINAR: HISTORY AND PHILOSOPHY OF EPIDEMIOLOGY (2 credits)	Exposes students to issues and debates in the philosophy of science, the object of knowledge in epidemiology, and the place of epidemiology in public health	PhD student or advanced MSPH student	Wing, Behets, Rennie	M	12:00-1:50	MC 2305	
896	001	SEMINAR IN CLINICAL RESEARCH (1 credit)	Practical topics pertinent to clinical research will be presented by faculty on campus and from local industry. Fellows in the Clinical Research Curriculum will also present their work.	MSCR student or participation in K30 program	Ransohoff, Raasch, Gaynes, Weinberger, Miller	F	12:00-1:50	RO 228	
897	001	CARDIOVASCULAR DISEASE SEMINAR (1 credit)	Intended to expose students to novel, ongoing research in CVD epidemiology. The focus is methodologic as well as topical.	Permission of instructor required	Heiss	T	12:30-1:45	HC 0001	Go to Student Services Office (MC2106) to register
898	001	GLOBAL HEALTH ETHICS SEMINAR (2 credits)	This course explores a variety of ethical issues in international and domestic health research from a broad interdisciplinary perspective, including the ethics of vaccine research with vulnerable populations and pharmaceutical research in developing countries.	SPH Graduate Students and basic knowledge of epidemiology or permission of instructor	Rennie, Behets	R	1:00-2:50	RO 101	
900	001	EPIDEMIOLOGY PRACTICE (4 credits)	Designed to give epidemiology majors a supervised field experience in population health research.	Advanced standing	Student's Advisor	N/A	N/A	N/A	Go to Student Services Office (MC2106) to register
905L	001	EPIDEMIOLOGY LABORATORY PRACTICE (1-9 credits)	Students work individually with a faculty member on supervised laboratory research and skills development. May be repeated for credit.	Permission of instructor required	Baric, Meshnick, Stamm	N/A	N/A	N/A	Go to Student Services Office (MC2106) to register

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2011

[Note: PRE-requisites must be met prior to beginning course; CO-requisites can be taken concurrently]

COURSE#	SECTION#	TITLE	DESCRIPTION	PRE- OR CO-REQUISITES	FACULTY	DAY(S) [T=Tues] [R=Thurs]	TIME(S)	ROOM(S)	REGISTRATION COMMENTS
910	001 and others	RESEARCH IN EPIDEMIOLOGY (1-9 credits)	Independent investigation in consultation with an instructor who must assign or approve the subject of research. Credits will vary according to the effort and rigor of the research.	Permission of instructor form must be filed with department registrar.	Various faculty				Register in the section assigned to the specific instructor (see attached schedule). Use section 001 ONLY if instructor does not have own section. Section 001 registration must be done through Student Services Office.
992	001 and others	MASTER'S PAPER (3-6 credits)			Various faculty				Register in the section assigned to the specific instructor (see attached schedule). Use section 001 ONLY if instructor does not have own section. Section 001 registration must be done through Student Services Office.
994	001 and others	DOCTORAL DISSERTATION (3-9 credits)			Various faculty				Register in the section assigned to the specific instructor (see attached schedule). Use section 001 ONLY if instructor does not have own section. Section 001 registration must be done through Student Services Office.