

PLEASE PAY ATTENTION TO PRE-REQUISITES AND REGISTRATION COMMENTS!

DEPARTMENT OF EPIDEMIOLOGY

SCHOOL OF PUBLIC HEALTH

SCHEDULE OF COURSES: FALL 2008

[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	TBA	
600	602	PRINCIPLES OF EPIDEMIOLOGY *LAB*	See above	See above	See above	W	4:00-5:50	TBA	
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	5:00-7:00	TBA	
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.	None	Colvin	F	1:00-2:50	MC 2302	
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
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	Mansfield	W F	1:00-2:50 11:00-12:50	RO 235 MC 2308 (Computer Lab)	

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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. 2
710	001	FUNDAMENTALS OF EPIDEMIOLOGY (4 credits) Must register for one lab section: sections 601-606 (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. Majors only.	Thomas	TR	11:00-12:15	HC 0001	
710	002	FUNDAMENTALS OF EPIDEMIOLOGY (4 credits) Must register for one lab section: sections 601-606 (see below)	This section is for non-majors	Co-requisite: BIOS 600.	Thomas	TR	11:00-12:15	HC 0001	
710	601	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Thomas	M	9:00-10:50	RO 101	
710	602	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Thomas	M	11:00-12:50	RO 101	
710	603	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Thomas	M	1:00-2:50	HC 2005	
710	604	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Thomas	M	2:00-3:50	MC 3100	
710	605	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Thomas	M	3:00-4:50	HC 2005	

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710	606	FUNDAMENTALS OF EPIDEMIOLOGY *LAB*	See above	See above	Thomas	M	3:00-4:50	MC 2101G	
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 majors only	Miller	TR	2:00-3:15	Bondurant G100	
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, Kaufman	W F	11:00-11:50 11:00-12:50	HC 0001	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	Kaufman	W	12:00-12:50	HC 0001	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.	Gammon, Heiss, Meshnick	T	3:30-5:00	HC 0003	SELECTED DATES ONLY (TBA)

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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	HC 0001	Class meets Sep 23 thru Oct 30
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	M	9:00-11:50	MC 2301	
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	HC 3100	
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	

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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	MC 1305	
757	001	EPIDEMIOLOGY OF HIV/AIDS IN DEVELOPING COUNTRIES (3 credits)	This course will examine the epidemiology of AIDS in an international perspective. It will consider the AIDS pandemic in a broad epidemiology perspective, including key aspects of basic, clinical science, and social science.	*Pre*-requisite: Introductory epidemiology or permission of instructor	Behets, Weir	F	1:00-3:50	MC 1305	
770	001	CANCER EPIDEMIOLOGY AND PATHOGENESIS (3 credits)	Fundamental concepts in the context of specific cancers, including biologic mechanisms, genetic and environmental factors, social and public health issues, major studies and their interpretation.	*CO*-requisite: EPID 710 or BIOS 545	Schroeder	TR	12:30-1:45	HC 3100	
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	MC 1305	

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785	001	ENVIRONMENTAL EPIDEMIOLOGY (3 credits)	Epidemiologic ideas and methods are applied to the evaluation and control of the human health consequences of environmental hazards. Pollution of environmental media and global change are considered from a human-ecological perspective, with local and international examples.	*Pre*-requisites: EPID 710 & BIOS 600	Chen	TR	11:00-12:15	HC 3100	
805	001	CLINICAL EPIDEMIOLOGY AND CLINICAL RESEARCH METHODS (6 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.	For those enrolled in the Clinical Scholars Core Curriculum	Miller	MF	2:00-3:50	TBA	
810	001	PHYSICAL ACTIVITY EPIDEMIOLOGY AND PUBLIC HEALTH (cross-listed as NUTR 810, administering department: EPID) (3 credits)	This course provides an overview of major issues in physical activity measurements, population distribution, correlates, impacts (physically and economically), and public health recommendations. Interventions, including relevant theories, will be reviewed.	*PRE*-requisite: EPID 600 or 710	Evenson, Ward	M	2:00-4:50	RO 235	

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815	001	DIET AND CANCER (cross-listed as NUTR 815, administering department: NUTR) (3 credits)	Examines and critically evaluates epidemiologic research on relationships of diet-related exposures with cancer etiology, progression, prevention, and survivorship. Emphasis is on skills for conducting, understanding, and analyzing epidemiologic studies diet, nutrition, and cancer.	*PRE*-requisite: EPID 600, BIOS 600, EPID 770, and NUTR 813	Satia	TR	2:00-3:15	MC 2302	
825	001	SOCIAL DETERMINANTS OF HEALTH (cross-listed HBHE 802, administering department: HBHE) (3 credits) [CANCELLED]	Discussion and readings will focus on population vs. international perspectives on health, risk condition vs. risk factors, concepts of causation, and knowledge development as a historic and social process and examine macro-level determinants.	Pre-requisite: EPID 600 and public health major	Golden	W	5:00-7:45	MC 2301	
851	001	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.	Co-requisites: EPID 600 and BIOS 600, or equivalents	Daniels, Olshan	TR	2:00-3:15	MC 1305	
883	001	TEACHING INTERNSHIP IN EPIDEMIOLOGY (1-4 credits)	Provides supervised experience in teaching and course preparation.	Permission of instructor required	Various faculty	N/A	N/A	N/A	Go to Student Services Office (MC2106) to register

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892	001	INTERDISCIPLINARY SEMINAR IN HEALTH DISPARITIES (cross-listed as MHCH 892; administering department: EPID) (1 credit)	This seminar will provide an opportunity for students to synthesize knowledge across disciplines and to develop an interdisciplinary approach to addressing their identified health disparities research topic.	*PRE*-requisite: MHCH 756. Permission of instructor required	Vines, Hogan	W	1:00-1:50	MC 2302	
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.	CRC Fellow or permission of instructor	Miller	F	12:00-1:50	TBA	
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	TBA	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.	Basic knowledge of epidemiology or permission of instructor	Rennie, Behets	R	4:00-5:50	HC 0003	
900	001	STUDY IMPLEMENTATION IN EPIDEMIOLOGY (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

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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.