

UM SPH Spring Courses

BIOSTAT578

Practical Projects

Spring term

1-4 Credit Hour(s)

Instructor(s): Staff

Prerequisites: NONE

Practical projects in consultation and statistical analysis of data in research studies with health investigators. Course requirements include an approved practical work experience related to Biostatistics in consultation with a faculty advisor. May be elected more than once. Enrollment limited to Biostatistics majors with at least two full terms of prior registration.

EHS578

Practical Projects

Spring term

1-4 Credit Hour(s)

Instructor(s): Staff

Prerequisites: None

Practical Projects in the application of theory and principles of Environmental Health Sciences in public health settings. Course requirements include an approved practical work experience related to Environmental Health Sciences in consultation with a faculty advisor. May be elected more than once. Enrollment limited to Environmental Health Sciences majors with at least two full terms of prior registration.

EHS697

Readings

Spring term

1-3 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Instr

Supervised study/review of a selected topic in environmental health, occupational health, nutrition and/or toxicology. May be elected more than once for a maximum of six credits.

EHS698

Research

Spring term

1-6 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Instr.

Original research investigation of a special topic in environmental health, occupational health, nutrition and/or toxicology. May be elected more than once for a maximum of six credits.

EHS699

Master's Thesis

Spring term

1 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm of Thesis Advisor

This course shall be elected by students enrolled in Masters degree programs that require a formal written thesis as a condition of program completion. The thesis shall be defended in front of the students thesis committee. The course grade will reflect the students accomplishments relative to the thesis and its defense. The course is to be elected only once.

EHS899

Advanced Research

Spring term

1-6 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Instr.

Original investigations of a specific topic in environmental health, occupational health, nutrition and/or toxicology. Designed for doctoral students performing research prior to passing their qualifying exam. May be elected more than once.

EHS990

Dissertation/Pre-Candidacy

Spring term

1-8 Credit Hour(s)

Instructor(s): Staff

Election for dissertation work by doctoral students not yet admitted to status as candidate.

EHS995

Dissertation Research for Doctorate in Philosophy

Spring term

8 Credit Hour(s)

Instructor(s): Staff

Election for dissertation work by doctoral students who have been admitted to status as candidate.

EPID546

Advanced Virology

Spring term

2-6 Credit Hour(s)

Instructor(s): Staff

Prerequisites: EPID 543 and EPID 545

Advanced laboratory studies of viruses and virus diseases with emphasis upon the application of procedures to investigation. May be elected more than once.

EPID562

Advanced Bacteriology Laboratory

Spring term

2-6 Credit Hour(s)

Instructor(s): Staff

Last offered Fall 2006

Prerequisites: EPID 560 and EPID 561 or Perm. Instr.I

Individual laboratory studies of selected topics on bacteria of public health importance. May be elected more than once.

EPID565

Research in Hospital and Molecular Epidemiology

Spring term

1-6 Credit Hour(s)

Instructor(s): Staff

Offered every year

Last offered Winter, 2008

Prerequisites: Perm. Instr.

Investigation of a selected problem planned and carried out by each student. Pertinent literature, investigational approaches, and progress in the investigations are discussed in seminars. May be taken more than once for up to six credits. Usually taken first for one credit. This is the Capstone Course for Hospital and Molecular Epidemiology Students.

EPID578

Practical Projects in Epidemiology

Spring term

1 Credit Hour(s)

Instructor(s): Staff

A period of elective (i.e., non-required) practical projects for international students in Epidemiology. Students work for at least eight weeks in an approved agency. Course requirements include this approved practical work experience related to the student's field of study plus prior and concurrent consultation with the student's faculty advisor. Restricted to Epidemiology majors with at least two full consecutive terms of enrollment.

EPID610

Epidemiology and Prevention of Oral Diseases

Spring term

4 Credit Hour(s)

Instructor(s): Taylor, George

Philosophy, principles, and methods of study in the epidemiology of oral conditions. Includes measurement techniques, risk factor identification, and disease distribution in populations. The scientific basis for procedures and programs to prevent oral diseases is examined, with emphasis on public health applications. Includes water fluoridation, other fluoride programs, pit-and-fissure sealant, diet, nutrition, oral hygiene, chemotherapeutics, and screening programs. Required for all students in dental public health.

EPID611

Administration in Dental Public Health

Spring term

4 Credit Hour(s)

Instructor(s): Ismail, Amid

The planning, operation, and evaluation of dental public health programs, including quality assurance, budgeting, and legislative issues. Students prepare a research proposal and develop skills in oral presentations. Required for all students in dental public health.

EPID612

Collection and Analysis of Dental Data

Spring term

4 Credit Hour(s)

Instructor(s): Ismail, Amid

Prerequisites: EPID 610 and Biostat 503

Conduct of a dental field survey and analysis of the data collected. Includes establishment of survey aims, survey organization, examination of subjects, processing and analysis of data, preparation and submission of report. Several otherwise free days are required for the field survey, which is usually conducted outside Ann Arbor. Both custom-written data-capture software and commercial statistical software are employed. Particular attention is paid to the special problems presented by dental data in analysis and interpretation. Extensive use of microcomputers is required. Required for all students in dental public health.

EPID613

Problem in Dental Public Health

Spring term

1-4 Credit Hour(s)

Instructor(s): Taylor, George; Ismail, Amid

Prerequisites: Perm. Instr.

Solutions to problems in dental public health can be pursued by students under the tutorial guidance of a faculty member. The problems can be in any aspect of research or administration. Students can also analyze data from existing research databases, and prepare reports intended for publication. Students meet regularly with the faculty supervisor to assess progress throughout the project. May be elected more than once

EPID624

Readings in Epidemiology

Spring term

1-2 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Instr.

Review of literature on selected subjects under guidance of individual faculty members and through scheduled seminars at which reports are presented. May be elected more than once.

EPID659

Applications of Epidemiology

Spring term

2-4 Credit Hour(s)

Instructor(s): Staff

Offered every year

Prerequisites: EPID 601, EPID 655, Perm. Instr.

Application of epidemiological methods and concepts to analysis of data from epidemiological, clinical or laboratory studies. Introduction to independent research and scientific writing under faculty guidance. May be elected more than once for a total credit of not more than four hours. Course must be elected for a total of 4 credits; either elected for 2 credits each during 2 different terms or for 4 credits during a single term. This is the Capstone Course for General Epid and International Health Students.

EPID840

Current Issues in Oral Epidemiology

Spring term

2 Credit Hour(s)

Instructor(s): Ismail, Amid

Seminar for the detailed examination of current knowledge, etiologies, risk factors, methods of measurement, data collection procedures, quality of existing data, and further research needs in the epidemiology of oral conditions. Required for doctoral students in oral epidemiology.

EPID890

Doctoral Seminar in Epidemiology

Spring term

2 Credit Hour(s)

Instructor(s): Staff

Students will give a 50-minute presentation as part of the departmental seminar series. One faculty member will work with student in developing seminar and then critique it afterwards.

EPID891

Advanced Readings in Epidemiology

Spring term

2 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Instr.

Students will review assigned readings on the epidemiology or natural history of specific infections or chronic diseases or on host or environmental factors associated with disease, or on epidemiological methods and their application. May be elected more than once

EPID970

Pre-candidacy research in Epidemiology

Spring term

1-8 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Doctoral Student in Epidemiology Standing

Original investigations in the various fields of Epidemiology as part of the student's preparation for their dissertation research and writing.

EPID990

Dissertation Research/Pre-Candidate

Spring term

1-8 Credit Hour(s)

Instructor(s): Staff

For students who have NOT reached candidacy yet.

EPID995

Dissertation Research/Candidate

Spring term

8 Credit Hour(s)

Instructor(s): Staff

Election for dissertation work by doctoral student who has been admitted to status as a candidate

HBEHED578

Practical Projects

Spring term

1 Credit Hour(s)

Instructor(s): Staff

Not offered 2008-2009

Prerequisites: None

Practical projects in the application of theory and principles of Health Behavior and Health Education to individual and community-based public health settings. Course requirements include an approved practical project related to Health Behavior and Health Education in consultation with a faculty advisor. May be elected more than once. Enrollment limited to Health Behavior and Health Education majors with at least two full terms of prior registration.

HBEHED625

Research in Health Behavior

Spring term

1-4 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Inst.

Individual work on a problem in the area of health behavior relevant to program effectiveness in public health, under the tutorial guidance of an appropriate staff member. Regular conferences are arranged to discuss research designs, proposed problem solutions, methods for data collection and analysis. The investigation is reported in a paper, which may be submitted for publication. May be elected more than once.

HBEHED644

Readings in Health Behavior and Health Education

Spring term

1-6 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm. Instr.

Review of literature on selected topics in health behavior, health education or related areas under guidance of faculty member. Critical analysis; written and oral reports. May be taken more than once for a total not to exceed 6 credit hours.

HBEHED900

Research in Health Behavior and Health Education

Spring term

2-6 Credit Hour(s)

Instructor(s): Staff

Research work undertaken by doctoral students in collaboration with faculty advisers, including participation in on-going departmental research activities. Open only to doctoral students in Health Behavior and Health Education. May be elected more than once.

HMP578

Practical Projects in Health Management & Policy

Spring term

1 Credit Hour(s)

Instructor(s): Staff

This course is designed for students wishing to pursue an internship relative to their degree program (primarily for international students). Practical experience is required for this course. Note: The Department is not obligated to find employment/internships for students. Course requirements include an approved practical work experience and consultation with faculty advisor.

HMP815

Readings in Medical Care

Spring term

1-4 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Perm Instr

Directed readings in special areas. May be elected more than once. Primarily for doctoral students in Health Services Organization and Policy.

HMP990

Dissertation/Precandidates

Spring term

1-8 Credit Hour(s)

Instructor(s): Staff

Election for dissertation work by doctoral students not yet admitted to status as candidate.

HMP995

Dissertation Research for Doctorate in Philosophy

Spring term

8 Credit Hour(s)

Instructor(s): Staff

Election for dissertation work by doctoral students admitted as candidates
