

UM SPH Spring-Summer Courses

BIOSTAT578

Practical Projects

Spring-Summer 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.

BIOSTAT820

Readings in Biostatistics

Spring-Summer term

1-4 Credit Hour(s)

Instructor(s): Staff

Students assigned special topics for literature study under guidance of individual faculty members. May be elected more than once. Enrollment limited to biostatistics majors.

BIOSTAT840

Advanced Topics in Data Analysis

Spring-Summer term

3 Credit Hour(s)

Instructor(s): Staff

Not offered 2008-2009

Prerequisites: Biostat 650 and Biostat 651

Alternate methods of data analysis useful when data do not fulfill unusual assumptions of statistical tests. Using articles from the literature, students learn methods of data analysis more robust than usual methods and how to choose among them. Focuses on comparison of groups, ANOVA and regression.

BIOSTAT850

Research in Biostatistics

Spring-Summer term

2-4 Credit Hour(s)

Instructor(s): Staff

Not offered 2008-2009

Research on selected topics involving the application of statistical methods to health problems. May be elected more than once. Enrollment limited to biostatistics majors.

BIOSTAT990

Dissertation/Pre-Candidacy

Spring-Summer term

1-8 Credit Hour(s)

Instructor(s): Staff

Prerequisites: (1-8 Full term, 1-4 Half term)

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

BIOSTAT995

Dissertation Research for Doctorate in Philosophy

Spring-Summer term

1-8 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Admission to Doctoral Program(1-8 Full term, 1-4 Half term)

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

EHS578

Practical Projects

Spring-Summer 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.

EPID578

Practical Projects in Epidemiology

Spring-Summer 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.

EPID595

Foundations of Dental Public Health

Spring-Summer term

4 Credit Hour(s)

Instructor(s): Ismail, Amid

This course is the dental public health student's introduction to the discipline. It presents a social and historical context for dental public health, and provides a basis for the more detailed examination of other aspects of the discipline which are covered in other courses. Students will learn about the public agencies and professional organizations involved in dental public health activities, and will have the opportunity to compare and contrast the structure of public health dentistry in the U.S. with that in other countries. Recent activities, projects, and publications in dental public health will be discussed. Practitioners in dental public health need to be able to locate information efficiently, to appraise its value, and to use that information in writing and speaking. They need to be confident in their ability to write clearly and to speak assertively in public. This course aims to provide students with the necessary skills and knowledge needed to locate information, judge its quality, present critical summaries using written and oral communication. The course also allows students to develop confidence in their writing and public speaking. Students will prepare several written projects and oral presentations. The final project will involve the preparation of a mini systematic literature review of a topic chosen by the student, and an oral presentation based on this review.

EPID610

Epidemiology and Prevention of Oral Diseases

Spring-Summer 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-Summer 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-Summer 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.

EPID614

Planning and Evaluating Field Experience in Dental Public Health

Spring-Summer term

1-2 Credit Hour(s)

Instructor(s): Staff

Not offered 2008-2009

Individual arrangements and preparation for field experience are made with the guidance of the faculty advisor. Arrangements prior to the field experience include setting objectives; selecting the field site; appropriate reading assignments; and assessment of skills and knowledge needed. After the field placement, students submit a written evaluation of the experience to the faculty advisor. The course must be elected the term immediately preceding field experience, and is required if a credit-hour reduction is requested for the field experience.

EPID840

Current Issues in Oral Epidemiology

Spring-Summer 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.

EPID970

Pre-candidacy research in Epidemiology

Spring-Summer 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.

HBEHED578

Practical Projects

Spring-Summer 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-Summer 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-Summer 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-Summer 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.

HBEHED990

Dissertation/Pre-Candidate

Spring-Summer term

1-8 Credit Hour(s)

Instructor(s): Staff

Half Term (IIIA or IIIB, 1-4 credits) Election for dissertation work by doctoral students in Health Behavior and Health Education who are not yet admitted to status as a candidate.

HBEHED995

Dissertation Research for Doctorate in Philosophy

Spring-Summer term

8 Credit Hour(s)

Instructor(s): Staff

Half Term (IIIA or IIIB, 1-4 credits) Election for dissertation work by doctoral students admitted to status as candidate.

HMP578

Practical Projects in Health Management & Policy

Spring-Summer 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.

HMP690

Readings in Health Management and Policy

Spring-Summer term

1-4 Credit Hour(s)

Instructor(s): Staff

Prerequisites: Grad Status and Perm Instr

Directed readings or research on selected topics and problems relevant to health management and policy. May be elected more than once.

HMP815

Readings in Medical Care

Spring-Summer 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.

HMP835

Research Practicum

Spring-Summer term

3-6 Credit Hour(s)

Instructor(s): Staff

Prerequisites: HMP 809, Perm Instr

The purpose of this course is to allow each student, early in his or her doctoral career, to gain experience in the actual performance of health services research. The experience will enable students to build sound research skills and to gain knowledge of the nature of inquiry in their discipline as well as in the field of health services research. Each student in the HSOP program is expected to elect a total of 6 credits in HMP 835.

HMP990

Dissertation/Precandidates

Spring-Summer 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-Summer term

8 Credit Hour(s)

Instructor(s): Staff

