

The University Of Toledo

Graduate Program Requirement Revision

* denotes required fields

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Present

College*: Business & Innovation

Dept/Academic Unit*: --Select a Department--

Program Code*: Ph.D.

*Program Name MAJOR & Tech Mgmt

Minimum number of credit hours for completion(if changed):

No change

Proposed

College: Business and Innovation

Dept/Academic Unit: --Select a Department--

Program Code: Ph.D.

Program Name MAJOR & Tech Mgmt

Minimum number of credit hours for completion(if changed):

No change

List all courses which comprise the certificate or degree and identify term offered (summer/fall/spring):

NEW MINOR OPTION

No change

Identify delivery method (Online/in class/off campus):

Proposed effective term: Fall 2012 (e.g. 201140 for 2011 Fall)

201240

Program Approval:

Department Curriculum Authority:

Ph.D. Director

Department Chairperson:

College Curriculum Authority or Chair:

College Dean:

Graduate Council:

Dean of Graduate Studies:

Office of the Provost:

Not Applicable Date

Ph.D. Director Date 5/1/12

M. Jansford Date 04/30/2012

Thomas Gutter Date 5/1/12

Ph.D. Council Date 10-16-2012

Dean of Graduate Studies Date

Office of the Provost Date

Submit Program Requirement Revision

List all courses which comprise the certificate or degree and identify term offered (summer/fall/spring):

SEE ATTACHED

Adding ANOTHER MINOR OPTION: PUBLIC HEALTH

Identify delivery method (Online/in class/off campus):

L IN CLASS ON CAMPUS

Administrative Use Only

Effective Date: (YYYY/MM/DD)

CIP Code:

Subsidy Taxonomy:

Program Code:

Instructional Level:

RECEIVED

MAY 2 2012

COLLEGE OF GRADUATE STUDIES

BACKGROUND

Currently, Healthcare is the largest industry in the US economy, more than 17% of GDP. Healthcare, and the technology that support it, is emerging as one of the key elements of the World economy. Providing a minor in the Ph.D. program should allow students an opportunity to pursue research in this important area. There has already been one dissertation completed in healthcare, which was one of four finalists for the prestigious Buffa Dissertation Award. There are two dissertations in healthcare that are currently underway.

Ph.D. students would also have an option for a minor in Public Health Epidemiology by taking this specialization (12 credits).

CURRICULUM

Public Health Epidemiology (12 hours Ph.D. Minor)

PUBH 801 Public Health Epidemiology would need to be required as it is a pre-requisite and foundation for the other courses in epidemiology. Beyond this, they could choose their other 3 courses for their Epidemiology Specialization from the following.

Required

PUBH 801 PUBLIC HEALTH EPIDEMIOLOGY (3 credits): This course will present principles of the epidemiologic method including problem solving. Various study designs will be discussed, including prospective and retrospective studies, analytical, and experimental methods.

Offered Fall and Spring Semester

Electives

PUBH 812 INFECTIOUS DISEASE EPIDEMIOLOGY (3 credits): This course is designed to develop critical and creative thinking, responsibility, and a strong interest in issues relevant to infectious disease epidemiology. Students will be introduced to the special design, measurement, analysis, and intervention issues associated with infectious diseases. We will address contemporary infectious diseases of public health importance in the developed and underdeveloped world, such as ebola, SARS, malaria, and avian influenza, as well as bioterrorism. We will try to look at many issues from different perspectives which include the general public, patients, families and friends, physicians, public health workers, and government officials. Some goals and objectives include:

1. Introduce students to disease and transmission characteristics and the descriptive epidemiology of infectious agents.
2. Help students understand the theoretical basis of pathogen and transmission characteristic interactions and how they produce patterns of disease occurrence.
3. Enable the student to apply this understanding to disease prevention and control.

Offered Fall Semester

PUBH 815 CLINICAL EPIDEMIOLOGY (3 credits): This course introduces the basic concepts in clinical epidemiology and aims to enhance critical thinking and improve decision-making in individual patients. Topics include identification of risk and prognostic factors, evaluation of diagnostic/screening tests, reliability and validity of clinical measurements, therapeutic efficacy, clinical trials, health outcomes issues, meta-analysis, decisions making, and the study of patients' characteristics and behavior. Several lectures will be devoted to clinical research methodology and will use examples from the fields of clinical and preventive medicine. This course is designed primarily for public health students in the epidemiology track, physicians, fellows, residents and nurses. This course may also be of interest to other public health students and graduate students in the biomedical fields.

Offered Spring Semester

PUBH 818 CANCER EPIDEMIOLOGY (3 credits): This course is designed to develop critical and creative thinking, responsibility, and a strong interest in issues relevant to cancer epidemiology. Students will learn about cancer, including how cancer is staged and studied. The main focus of this course will be on a selected number of cancers, many of which are the most incident cancers in the United States. This course will provide a broad overview of cancer epidemiology and basic, substantive knowledge regarding many cancers and their risk factors, prevention, and biology and pathogenesis.

Offered Spring and Summer Semester

PUBH 855 CHRONIC DISEASE EPIDEMIOLOGY (3 credits): This course will not only cover important chronic diseases such as diabetes, cancer, and cardiovascular disease, but other health topics that play critical roles in the prevention and development of debilitating chronic disease. We will look at many issues from different perspectives including the general public, patients, families and friends, physicians, public health workers, and government officials. The beginning of the course will cover current issues and challenges in the field as well as a brief review of basic epidemiology to prepare you for the subsequent classes and their corresponding journal articles. What provides the more practical side to this course is that beyond the descriptive epidemiology, we will discuss current prevention and intervention efforts, as well as areas of future research. The goal of this is to provide important, yet useful information that can be used in this course and in the workplace.

Offered Summer Semester