

# The University of Toledo

## Existing Course Modification Form

APPROVED

Administrative Use Only	
Code:	CM
Date Received:	
Effective Date:	
CIP Code (if changed):	
Subsidy (if changed):	

Please enter the changes below to each **existing** course. If changes are too extensive for this format, attach a page with all information.

College Pharmacy Dept/Academic Unit Pharmacy Practice  
 Contact Person: Diane Cappelletty Phone: 383-1957 Email: diane.cappelletty@utoledo.edu

**Present**

Supply all information asked for in this column.  
 (Supply core and transfer module info if applicable.)

Department Pharmacy Practice

Course Alpha/Number PHPR 5260

Course Title Pharmacoeconomics and Outcomes

Research II \_\_\_\_\_

Credit Hours 2

Prerequisite(s) PHPR 5610

Catalog Description *(only if changed)* \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- Univ Core:  Engl  Hum  Math  Sci  Soc Sci  
 US Cultural  Non-US Culture  None  
 Transfer Module:  Arts & Humanities  Engl  Math  
 Social Science  Natural Science & Physics  None

**Proposed**

Fill in appropriate blanks only where entry differs from first column.

Department COLLEGE OF GRADUATE STUDIES

Course Alpha/Number PHPR 5620

Course Title \_\_\_\_\_

Research II \_\_\_\_\_

Credit Hours 3

Prerequisite(s) \_\_\_\_\_

Catalog Description \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- Univ Core:  Engl  Hum  Math  Sci  Soc Sci  
 US Cultural  Non-US Culture  
 Transfer Module:  Arts & Humanities  Engl  Math  
 Social Science  Natural Science & Physics

Reason for change Error in original paperwork with both course number and credit hours. The course historically has meet 3 hours per week.

Has course content changed? No If so, give a brief topical outline of the revised course on an **appended** sheet.

Has the course changed from a non-core curriculum course to a core curriculum course? \_\_\_\_\_ If so, explain how this course fulfills the core curriculum/general education guidelines on an **appended** sheet.

List any course or courses to be dropped \_\_\_\_\_ Effective Date \_\_\_\_\_

**Approval:**

Department Curriculum Authority: [Signature] Date 4-17-13

Department Chairperson: [Signature] Date 4-18-13

College Curriculum Authority: [Signature] Date 4/18/13

College Dean: [Signature] Date 4/18/2013

Chancellor's Office: \_\_\_\_\_ Date \_\_\_\_\_

GRADUATE COUNCIL:

DEAN OF GRADUATE STUDIES:

[Signature]  
[Signature]

8-21-2013  
8-21-2013

Date Added: 5-9-13  
 Council Approved: 8-21-13  
 To Provost: 8-23-13

COURSE MODIFICATION FORM (CM)

The University of Toledo  
Course: PHPR 5620  
Pharmacoeconomics and Outcomes Research II  
Fall Semester 2010

Syllabus

Course Instructor

Varun Vaidya, Ph.D.  
Assistant Professor

Sharrel Pinto, Ph.D.  
Associate Professor

Course TA's:

**TBA**

Course Goal: This course emphasizes advanced concepts, methods, and practical procedures for pharmacoeconomic analysis and outcomes research. The student will learn through readings and experience assessment of patient health status, quality of life, satisfaction and cost-effectiveness for pharmacoeconomic and health outcomes research, and interpretation of economic and outcomes data.

Objectives

- Understand methods to collect data that may be useful in drug use evaluation, drug use policy and decision-making, including retrospective and prospective data.
- Read, interpret, and evaluate published pharmacoeconomic studies.
- Apply pharmacoeconomic concepts to the practice setting
- Adopt new methods for modeling patient responses, interpret the meaning of measurement concepts and obtain a basic appreciation of the statistical analyses appropriate for outcomes research
- Locate available research-quality instruments for measuring health care outcomes in order to make informed choices among existing instruments
- Interpret the results of health outcomes research.

## PHPR 5620 COURSE OUTLINE

The following topics are slated for discussion over the course of the semester. This document is only a plan, therefore, depending on time, guest speaker availability, and other circumstances, some topics may be omitted and additional topics may be covered.

Module 1	Decision Analysis/Markov
Module 2	Sensitivity Analysis
Module 3	Humanistic Outcomes: Quality of Life
Module 4	Patient Satisfaction
Module 5	Using Questionnaires
Module 6	Retrospective databases
Module 7	Perspective
Module 8	Application: Evaluating the Economic Literature
Module 9	Application: Formulary Decision-Making Process
Module 10	Application: Evaluation of Pharmacy Services
Module 11	Application: Conducting Economic and Outcome Assessments in Your Setting
Module 12	Statistical methods to evaluate and use outcomes scales and indices
Module 13	Demonstrating improvement in patient outcomes
Module 14	Controlling costs and allocating resources
Module 15	Implementing disease management programs
Module 16	Making effective public health, health technology and clinical decisions.
Module 17	Critical review and use of outcomes data

**IMPORTANT DATES:**

Exam I	Week 3
Exam II	Week 6
Assignment	Week 9
Final Exam	Finals week

**GRADING CRITERIA**

Exam I	100 pts
Exam II	100 pts
Graduate Assignment	100 pts
Final Exam	150 pts

Total Points 450 pts

**GRADING SCALE**

<u>Grade</u>	<u>Percentage of Total points</u>
A	93 - 100
A-	90 - 92.99
B+	86 - 89.99
B	83 - 85.99
B-	80 - 82.99
C+	76 - 79.99
C	73 - 75.99
C-	70 - 72.99
D+	66 - 69.99
D	63 - 65.99
D-	60 - 62.99
F	Below 60

The grading scale will be followed strictly. Grades will not be "curved". Students will have ample opportunity to perform well in this course with good attendance and participation.

Class participation is greatly encouraged. The instructor welcomes questions and comments.