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The University Of Toledo

JAN 16 2013

COLLEGE OF
GRADUATE STUDIES

New Graduate Course Proposal

* denotes required fields

1. College*: College of Pharmacy

Department*: Pharmacy Practice

2. Contact Person*: Steve Martin Phone: 383-1964 (xxx - xxxx) Email:

steven.martin@utoledo.edu

3. Alpha/Numeric Code (Subject area - number)*: PHPR - 5620

4. Proposed title*: Pharmacoecon Outcon

Proposed effective term*: 201240 (e.g. 201140 for 2011 Fall)

5. Is the course cross-listed with another academic unit?

 Yes No

Approval of other academic unit (signature and title)

Is the course offered at more than one level?

 Yes No

If yes, an undergraduate course proposal form must also be submitted. If the undergraduate course is new, complete the New Undergraduate Course Proposal; if the undergraduate course is existing, submit an Undergraduate Course Modification Proposal.

6. Credit hours*: Fixed: 3 or Variable:

to

7. Delivery Mode:

Primary*

Secondary

Tertiary

a. Activity Type *

Lecture

--SelectType--

--SelectType--

b. Minimum Credit Hours *

3

Maximum Credit Hours *

3

c. Weekly Contact Hours *

3

8.

Terms offered: Fall Spring Summer

Years offered: Every Year Alternate Years

9. Are students permitted to register for more than one section during a term? No Yes

May the courses be repeated for credit? No Yes Maximum Hours

10. Grading System*:
 Normal Grading (A-F, PS/NC, PR, I)
 Passing Grade/No Credit (A-C, NC)
 Credit/No Credit
 Grade Only (A-F, PR, I)
 Audit Only
 No Grade

11. Prerequisites (must be taken **before**): i.e. C or higher in (BIOE 4500 or BIOE 5500) and C or higher in MATH 4200

PIN (Permission From Instructor)

PDP (Permission From Department)

Co-requisites (must be taken **together**):

12. Catalog Description* (75 words Maximum)


13. Attach a syllabus and an electronic copy of a complete outline of the major topics covered. Click [here](#) for template.

File Type	View File
Syllabus	View

Course Approval:

Department Curriculum Authority:

Monica Holiday-Goodman
 Monica Holiday-Goodman

Date 2012/07/27


Department Chairperson:

Steven Martin
Steven Martin

Date 2012/07/27



College Curriculum Authority or Chair:

Diane Cappelletty
 Diane Cappelletty

Date 2012/07/27



College Dean:

Wayne Hoss
Wayne P. Hoss

Date 2012/07/27



Graduate Council:

PLH

Date 2-5-2013


Dean of Graduate Studies:

PLH

Date 2-5-2013


Office of the Provost :

Date


Administrative Use Only

Effective Date:

 (YYYY/MM/DD)

CIP Code:

Subsidy Taxonomy:

Program Code:

Instructional Level:

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
<u>Final Exam</u>	<u>150 pts</u>
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.