University of Toledo

RECEIVED
JAN 20 2015
COLLEGE OF GRADUATE STUDIES

Graduate Program Revision

Contact Person	Frederick E. Williams, Ph.D.	Phone (XXX-XXXX)	383-1991
Email	frederick.williams2@utoledo.edu		

Present

College: Pharmacy & Pharmaceutical Sciences

Dept/Academic Unit: Pharmacy Practice

Program Code: 961740

Program Name: M.S. in Health Outcomes and Socioeconomic outcomes (HOSS)

Minimum number of credit hours for completion (if changed): 38

List all courses which comprise the certificate or degree and identify term offered (Summer/Fall/Spring)

See attached.

Identify delivery method: In Class

Proposed

College: Pharmacy & Pharmaceutical Sciences

Dept/Academic Unit: Pharmacy Practice

Program Code: 961740

Program Name: M.S. in Health Outcomes and Socioeconomic outcomes (HOSS)

Minimum number of credit hours for completion (if changed): 30

List all courses which comprise the certificate or degree and identify term offered (Summer/Fall/Spring)

Provide rationale and summary of changes (as attachment)

The Health Outcomes and Socioeconomic Science faculty would like to propose the addition of a new track to their current MS program. This new track, titled 'the Clinical Science' track, is being proposed given the need for trained individuals in the area of outcomes research. Attached to this document is an example of the plan of study outlining courses for this track. Additionally, attached with this document is an excel spreadsheet outlining the changes between the new track and the existing tracks within this program. Candidates that would be eligible to apply for this track include:
UT students or graduates: Eligibility based on satisfactory completion of PHPR 3260 (i.e. PHCA 1) and PHPR 4520 (i.e. PHCA 2) in the UT Pharm D curriculum.

Pharm D graduates from other programs: Eligibility determined on a case-by-case basis upon review of transcript with respect to the above competencies.

Identify delivery method: In Class

Proposed Effective Term: 2015 40 (Fall)

Program Approval

Department Curriculum Authority	Sharnel Pinto	Date	01/20/15
Department Chairperson	Diane Cappelletty	Date	1/20/15
College Curriculum Authority or Chair	[signature]	Date	1/20/15
College Dean	Marcia McInerney	Date	1/20/15
Graduate Council		Date	
Dean of Graduate Studies		Date	
Office of the Provost		Date	

For Administrative Use Only

Effective Date	
CIP Code	
Subsidy Taxonomy	
Program Code	
Instruction Level	

Proposal for adding a new track to the existing MS in Pharmaceutical Sciences in the Health Outcomes and Socioeconomic Sciences (HOSS) program

The Health Outcomes and Socioeconomic Science faculty would like to propose the addition of a new track to their current MS program. This new track, titled 'the Clinical Science' track, is being proposed given the need for trained individuals in the area of outcomes research. Attached with this document is an excel spreadsheet outlining the changes between the new track and the existing tracks within this program. Candidates that would be eligible to apply for this track include:

UT students or graduates: Eligibility based on satisfactory completion of PHPR 3260 (i.e. PHCA 1) and PHPR 4520 (i.e. PHCA 2) in the UT Pharm D curriculum.

Pharm D graduates from other programs: Eligibility determined on a case-by-case basis upon review of transcript with respect to the above competencies.

Example Plan of Study for the MS program in Health Outcomes and Socioeconomic Sciences for the Clinical Science Track

1. Summer 1 (2013)
    a. HEAL 6600: Health Behavior *(Track Course)* 3Cr
    b. RESM 5110: Quantitative Methods I 3Cr
    c. PHPR 6960: Thesis Research 1Cr
    d. PHPR 5590 Readings in Access and Cultural Competence 2Cr
    TOTAL **9Cr**
2. Fall 1 (2013)
    a. PUBH 6460: Health Promotions Programs *(Track Course)* 3Cr
    b. RESM 6120: Quantitative Methods II 3Cr
    TOTAL **6Cr**
3. Spring 1 (2014)
    a. PHPR 6530: Research Methods in Pharmacy Practice 2Cr
    b. PHPR 6600: Seminar in Administrative Pharmacy 1Cr
    c. PUBH 6060: Advanced Biostatistics *(Track Course)* 3Cr
    TOTAL **6Cr**
4. Summer 2 (2014)
    a. PHPR 6960: M.S. Thesis Research in Pharmacy 3Cr
    TOTAL **3Cr**
5. Fall 2 (2014)
    a. PHPR 6960: M.S. Thesis Research in Pharmacy 1Cr
    b. PHPR 6520: Analysis of the Pharmaceutical Environment 2Cr
    TOTAL **3Cr**
6. Spring 2 (2015)
    a. PHPR 5610: Pharmacoeconomics and Outcomes Research I 2Cr
    b. PHPR 6960: M.S. Thesis Research in Pharmacy 1Cr
    TOTAL **3Cr**

TOTAL **30Cr**

MS HOSS-Clinical Science Track

Course Subject/Number	*Course Name*	*Credit Hours*
Summer 1		
HEAL 6600	Health Behavior *(Track Course)*	3
PHPR 6960	Thesis Research	1
PHPR 5590	Readings in Healthcare Access & Cultural Competence	2
RESM 5110	Quantitative Methods I	3
Total For Semester		**9**
Fall 1		
PUBH 6460	Health Promotion Programs *(Track Course)*	3
RESM 6120	Quantitative Methods II	3
Total For Semester		**6**
Spring 1		
PHPR 6530	Research Methods in Pharmacy Practice	2
PHPR 6600	Seminar in Administrative Pharmacy	1
PUBH 6060	Advanced Biostatistics *(Track Course)*	3
Total For Semester		**6**
Summer 2		
PHPR 6960	Thesis Research	3
Total For Semester		**3**
Fall 2		
PHPR 6960	Thesis Research	1
PHPR 6520	Analysis of the Pharmaceutical Environment	2
Total For Semester		**3**
Spring 2		
PHPR 6960	Thesis Research	1
PHPR 5610	Pharmacoeconomics and Outcomes Research I	2
Total For Semester		**3**
TOTAL		**30**

MS HOSS- All Other Tracks

Course Subject/Number	*Course Title*	*Credit Hours*
Fall 1		
PHPR 5260	Pharmacy & Healthcare Administration I	2
RESM 5110	Quantitative Methods I	3
PHPR 6600	Seminar in Administrative Pharmacy	1
MKTG 5410	Marketing Systems	3
Total For Semester		**9**
Spring 1		
PHPR 6530	Research Methods in Pharmacy Practice	2
PHPR 5520	Pharmaceutical Marketing & Management	3
PHPR 5610	Pharmacoeconomics and Outcomes Research I	2
RESM 6120	Quantitative Methods II	3
	Track Course	3
Total For Semester		**13**
Summer 1		
PHPR 6960	Thesis Research	2
PHPR 5590	Readings in Healthcare Access & Cultural Competence	2
Total For Semester		**4**
Fall 2		
PHPR 6960	Thesis Research	2
PHPR 6520	Analysis of the Pharmaceutical Environment	2
	Track Course	3
Total For Semester		**7**
Spring 2		
PHPR 6960	Thesis Research	2
	Track Course	3
Total For Semester		**5**
TOTAL		**38**