

Graduate Certificate Proposal Form

Save blank form to your desktop, then fill in fields. Send electronic version to barnesk@usf.edu. Submit original, signed copy to Graduate Certificates, SVC1072. (College of Education must first submit to Lora Crider, EDU 105).

Name of Graduate Certificate: Teaching In Pharmacy

Date: 02/02/2015

College: College of Pharmacy

Department: Graduate Programs

CONTACTS

Position	Name	Phone	E-mail Address	Location	Mail Point
Grad Cert Director	Shyam S. Mohapatra, Ph.D.	813-974-8568	smohapat@health.usf.edu	MDC	MDC19
Advisor	Norma Bedell, M.A.	813-974-7734	nbedell@health.usf.edu	MDC211	MDC30
Admin. Asst.	Lynnette Barrett, M.A.	813-974-4221	lrbarrett@health.usf.edu	MDC	MDC30

ACADEMIC REQUIREMENTS

Total Credit Hours Required:	12
Implementation Date:	May, 2015
Expected Enrollment:	30
Time Limit for Completion:	two years
Other programs this graduate certificate links to:	PharmD, M.S. in Pharmaceutical Nanotechnology, Future Ph.D. in Pharmacy Research

CURRICULUM

List graduate certificate courses. For new courses, attach a copy of the online graduate course proposal form, the graduate curriculum approval form, and the course syllabus.

Course #	Title/Credits	Faculty Member	Delivery Method	Required or Elective	New or Existing	Part of other grad cert?
ADE 6385	The Adult Learner (3)		On-Line	Required	Existing	Yes
ADE 6385	Pharmacy Leadership (2)		On-Line	Required	New	Yes
ADE 6161	Curriculum Construction in Adult Education (3)		On-Line	Required	Existing	Yes
PHA XXXX	Scientific Writing and Communication (1)		On-Line	Required	New	Yes
PHA XXXX	Teaching Pharmacy (3)		On-Line	Required	Existing	No
PHA 6788	Introduction to Personalized Medicine (3)		On-Line	Elective	Existing	Yes
PHA 6132	Pharmacogenomics – Current and Future Prospects (3)		On-Line	Elective	Existing	Yes
PHA 6198	Effective Continuing Education for Professionals (3)		On-Line	Elective	Existing	No
PHA XXXX	Ethics (1)		On-Line	Elective	New	Yes
PHA 7684	Advanced Pharmacy Practice Experience (4)		On-Line	Elective	Existing	Yes
GMS 6183	Clinical Research Methods (3)		On-Line	Elective	Existing	Yes

CATALOG ENTRY – PART 1

Course location/delivery: On-line location and delivery

Brief description:

This Teaching In Pharmacy (TIP) Graduate Certificate is an effort to assist in the recruitment, motivation, and preparation of clinical educators who can inspire students to advance the profession of pharmacy. There is a difference between experts in a particular field of study, whose are well versed and able to function in their prospective field versus a teacher of that practiced knowledge. One expertise does not translate into the other field. There is a difference between an adaptive experts, whose metacognitive skills allow the transfer of knowledge from one setting to another, and a routine experts, whose expertise allows them to function well in standard settings but doesn't serve them well when conditions differ.

This graduate certificate in Teaching in Pharmacy will aid PharmD, M.S. and Ph.D. students and current pharmacists seeking additional skills to advance themselves in teaching their expertise with the ability to adapt their knowledge into teaching materials and applications for students dissemination. This Graduate Certificate will also provide specific instruction into the specialized field of Adult Education and college teaching.

The required courses for this 15 credit hour graduate certificate will include:

ADE 6385 - The Adult Learner (3 cr. hr.)

PHA 6223 - Pharmacy Leadership (2 cr. hr.)

PHA XXXX - Scientific Writing and Communication (1 cr. hr.)

ADE 6161 - Curriculum Construction in Adult Education (3 cr. hr.)

PHA XXXX - Teaching Pharmacy (3 cr. hr.)

(For a total of 12 cr. hrs. of requirements.)

The students will then have to choose one out of the seven additional courses from the following list of electives:

PHA 6788 - Introduction to Personalized Medicine (3 cr. hr.)

PHA 6132 - Pharmacogenomics - Current and Future Prospects (3 cr. hr.)

PHA 6198 - Effective Continuing Education for Professionals (4 cr. hr.)

PHA XXXX, Ethics (1 cr. hr.)

PHA 7684 - Advanced Pharmacy Practice Experience (4 cr. hr.)

GMS 6183 - Clinical Research Methods(3 cr. hr.)

(For a total of 3-5 cr. hrs. of electives.)

Totalling 15-17 credit hours (depending on electives as one of the courses offered is 1 credit hour and one of the courses is 4 credit hours; however, only 15 credit hours is required for completion of this certificate).

CATALOG ENTRY – PART 2

Credit toward graduate degree: Up to 12 hours of certificate course credits may be applied to a graduate degree with departmental approval.

Transfer Credit: Non-degree seeking students and transfer students may apply one course to a graduate certificate with department approval.

Standardized tests: GRE and PCAT scores can be used to demonstrate qualitative and quantitative skills and admission to this certificate program; However, they are NOT required for admission to this Graduate Certificate Program.

Admission requirements: Degree: An advanced degree in Pharmacy, Nursing or Medicine or a related field of study; or current enrollment in a biomedical sciences degree program for MD, DO, PhD, PharmD (or equivalent) or extensive clinical experience.

GPA: 3.0 on a 4.0 scale.

Prerequisite courses:

Student entering this graduate certificate program without an advanced in Pharmacy, Nursing or Medicine must meet the prerequisite courses for the College of Pharmacy's PharmD program located: <http://health.usf.edu/pharmacy/prerequisites.htm#scroll-01>. PharmD students would have had to complete at least the first year of course work to enter this certificate program.

Application Process:

Official Transcripts Resume Letter of Interest Other: _____

Registration Process:

- First, consult with the certificate program advisor and obtain an electronic course permit if necessary. Then go to www.bit.ly/USF-oasis, the link to OASIS, USF's on-line registration system.
- Follow directions given online.
- To access online course materials, students must have the USF NetID (e-mail account). Please visit: www.bit.ly/USF-ID to obtain the NetID.
- New students, including those studying online, may obtain the USFCard. Please visit: www.bit.ly/USF-card to obtain the USFCard.

Tuition and Fees: (Text for this area will be inserted based on the type of certificate selected from the drop-down list below.)

Financial Aid: Non-degree seeking students are not eligible for financial aid. Please contact private lenders for information on the types of student loans available.

JUSTIFICATION

Purpose:

This course provides an opportunity for our profession to prosper within Pharmacy Instruction and delivery of a comprehensive education course and practical classroom and clinical experience. It is an extension and continuation of the cross-disciplinary, integrated approach to learning and teaching undertaken in the PharmD and Master of Pharmacy programs offered at the University of South Florida's College of Pharmacy (COP). It is offered to pharmacists, other medical professions who hold an advanced degree or prospective pharmacists in their second year of their PharmD program who wish to develop exceptional teaching skills relevant to college and university edification and adult education.

The nature of this graduate certificate program is to provide students and practitioners with didactics lecture skills to effectively instill progressive pharmacy or clinical pharmaceutical practices, monitoring, discussions and active pharmacy education delivery systems to be used in a formal classroom setting and/or in a clinical practice environment. These will improve their communities as well as advance the pharmacy profession.

This program will establish practitioners as educators and foster collaborative relationships with pharmacists and the university who will work with our students towards common goals.

This graduate certificate is designed to attract a broad array of pharmacists, clinicians and other health care professionals who seek advanced training in teaching Pharmacy.

Benefits:

Because teaching can account for a significant portion a pharmacist's career, whether it involves colleagues, patients, employees, students on rotation, providing lectures or workshops as part of clinical and academic responsibilities knowledge in this area is important to this field.

The proposed coursework that comprises this graduate certificate is designed to augment the students' foundation of knowledge in the field of clinical pharmacy or medical sciences and supplement them with teaching and adult education competencies to be able to teach within Career and Technical Education and/or at the college level. This graduate certificate is designed to complement the educational activities of the COP by expanding training in teaching pharmacy to a diverse array of health care professionals who are interested in advancing their understanding of the importance of pharmacy and the impact it will have for clinical practice and pharmacy teaching in the 21st century classroom. This certificate will offer an edge to these students over others with the same or similar degrees after graduation to be able to augment their position as a pharmacist or health care professional with educating other pharmacists or health care professionals.

Student benefits include but are not limited to:

First and foremost is adult tutelage. Merriam and Brockett (2007) define adult education as "...activities intentionally designed for the purpose of bringing about learning among those whose age, social roles, or self-perception define them as adults" (p. 8).

There is an art to teaching well. It involves two attributes of professions: (1) is an emphasis on hands-on-training or complete preparation, and (2) the notion of a specialized body of knowledge that involves pedagogical and andragogical practices underpinning training and preparation.

Combining the two competencies through the “art and science of helping adults learn” involves the expertise in the field of Pharmacy with adult learning (Knowles, 1980, p. 43)”

Andragogy is essentially a “model of assumptions” (Knowles, 1980, p. 43) about the characteristics of adult learners that are different from the traditional pedagogical assumptions about child learners rather than an actual theory of adult learning. Based on humanistic psychology, Knowles’ concept of andragogy presents the individual learner as one who is autonomous, free, and growth-oriented.

The two dimensions of andragogy as elaborated by Knowles are its assumptions about the characteristics of adult learners and the process elements of adult education that stem from these characteristics which will be a focus for our teaching certificate beyond the Pharmacy discipline. They are:

- (1) Self-concept: As people mature, they move being a dependent personality toward being more self-directed
- (2) Experience: As people mature, they amass a growing set of experiences that provide a fertile resource for learning
- (3) Readiness to learn: As people mature, they are more interested in learning subjects that have immediate relevance to their jobs or personal lives
- (4) Orientation to learning: As people mature, their time perspective changes from gathering knowledge for future use to immediate application of knowledge. As such, adult learners become more problem-centered rather than subject-centered (Knowles, 1980)
- (5) Motivation to learn: As people mature, they become more motivated by various internal incentives, such as need for self-esteem, curiosity, desire to achieve, and satisfaction of accomplishment
- (6) Relevance: As people mature, they need to know why they need to learn something (Knowles, 1984).

Furthermore, because adults manage other aspects of their lives, they are capable of directing or, at least, assisting in the planning and implementation of their own learning.

It is also included in the COP Values of:

Innovation
Leadership
Diversity
Interprofessional collaboration
Interdisciplinary research
Evidence-based applications
Teamwork
and specifically, Life-long learning

The University benefit: The university is highly vested in the success of the COP and its accreditation. The University of South Florida submitted a proposal addressing plans to administer the graduate programs to the Commission on Colleges of the Southern Association of Colleges and Schools (SACS; <http://sacscoc.org/index.asp>). The proposal was approved by SACS (letter maintained on file).

Community benefit: We all benefit from educators in our health care community.

Marketing/Outreach:

Our target market and where we will concentrate our outreach is within the College of Pharmacy, PharmD program where there are currently 318 students with a goal of 400 by the end of the year with (100 new students each year entering the program). Additionally, we will follow up with information about our Graduate Certificate in TIP to all 700+ applicants to the COP regardless of their

admission status to the college, COP Ambassadors, the Pre-pharm Club at USF to disseminate to their sister clubs across the country as well as through the USF connections of advisors and advisory boards across the country.

We will also look to include master's students in the newly developed M.S. in Bioengineering with a concentration in Pharmacy and the M.S. in Pharmaceutical Nanotechnology (pending approval) which will increase the target market by about 10-20 students within the next two years.

Further, because this program is offered completely on-line, the possibilities of targeting many professionals within the field and students outside of USF, in the state of Florida, outside of the state of Florida and even in other countries will be endless.

Competition: List other schools where a similar program is offered and how the courses are delivered, i.e. traditional, partially online, fully online, alternative calendar, etc.

University	Location	Name of Grad Cert	Delivery Method
University of Florida	Gainesville, FL	Academic Teaching Certificate Course	On-campus/In person

Funding: On a separate sheet, detail costs associated with the start-up and operation of the proposed graduate certificate (faculty, staff, equipment, space etc.). Attach a letter of resource support from your department chair/college dean to the signed proposal.

Position	Name	Signature	Date
Department Chair	Shyam S. Mohapatra, Ph.D., MBA		02/02/2015
College Committee Chair	Shyam S. Mohapatra, Ph.D., MBA		02/02/2015
College Assoc. Dean	Shyam S. Mohapatra, Ph.D., MBA		02/02/2015
Graduate Council Chair			
Graduate Certificates	Kathleen H. Barnes		