

## Cover Sheet: Request 12353

### PHA5XXX UF Precision Medicine Conference

#### Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Diane Beck beck@cop.ufl.edu
Created	2/23/2018 1:27:38 AM
Updated	2/23/2018 9:55:37 AM
Description of request	This is an elective course available to Pharm.D. students who have completed their first year of foundational coursework. This course is a component of the Personalized Medicine Certificate that is also under review by the UCC.

#### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	COP - Interdisciplinary Studies	Karen Whalen		2/23/2018
PHA5XXX UF Precision Medicine Conference.docx					2/23/2018
College	Approved	COP - College of Pharmacy	Diane Beck		2/23/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/23/2018
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

## Course|New for request 12353

### Info

**Request:** PHA5XXX UF Precision Medicine Conference

**Description of request:** This is an elective course available to Pharm.D. students who have completed their first year of foundational coursework.

This course is a component of the Personalized Medicine Certificate that is also under review by the UCC.

**Submitter:** Diane Beck beck@cop.ufl.edu

**Created:** 2/23/2018 1:30:32 AM

**Form version:** 2

### Responses

**Recommended Prefix** PHA

**Course Level** 5

**Number** XXX

**Category of Instruction** Advanced

**Lab Code** None

**Course Title** UF Precision Medicine Conference

**Transcript Title** Precision Med Conf

**Degree Type** Professional

**Delivery Method(s)** On-Campus, Online, Off-Campus

**Co-Listing** No

**Co-Listing Explanation** Not Applicable

**Effective Term** Spring

**Effective Year** 2019

**Rotating Topic?** No

**Repeatable Credit?** No

**Amount of Credit** 1

**S/U Only?** Yes

**Contact Type** Regularly Scheduled

**Weekly Contact Hours** 15

**Course Description** Develops knowledge and skills related to the latest strategies and technologies for bringing genomic medicine and pharmacogenomics into a clinic. Students will participate in a precision medicine conference along with clinicians, researchers and thought leaders from medicine and pharmacy about implementing genomic medicine and pharmacogenomics in clinical settings.

**Prerequisites** Successful completion of Blocks 1-9 of the Doctor of Pharmacy curriculum including milestones

**Co-requisites** None

**Rationale and Placement in Curriculum** This is an elective course that follows the first year in the Pharm.D. program. The first year covers the foundational knowledge related to pharmacogenomics.

This course is a component of the Pharmacogenomics Certificate that has also been submitted for approval.

**Course Objectives** Upon completion of this course, the student will be able to:

1. Describe the current state of knowledge and emerging trends in precision medicine in clinical practice.
2. Apply genetic and pharmacogenetic data to solve complex patient cases.
3. Discuss clinical applications of genetics and pharmacogenetics in cardiology, psychiatry, and pain management.
4. Discuss how pharmacogenetic testing can be implemented in a multidisciplinary primary care practice.
5. Illustrate solutions to common pharmacogenetics implementation barriers, including

documentation, commercial laboratory evaluation, and patient education.

**Course Textbook(s) and/or Other Assigned Reading** • There are no required textbooks for this course.

- Handout materials and slides that are used during the conference will be made available to students for review and study.

**Weekly Schedule of Topics** The following will be covered over 3 days during a conference:

Day 1

Welcome & Keynote Presentation 0.75 hr

Precision Medicine in Practice & Genetic Gems 1.75 hr

Keynote Presentation (Latest developments and cutting edge trends) 0.75 hr

Precision Medicine in Practice & Genetic Gems 1.75 hr

Poster Viewing (interact with authors and view posters on a genetics and pharmacogenomics, innovative practice models, educational strategies, emerging scientific discoveries)  
1.75 hr

Genetic testing to predict medication effects and chronic disease risk in cardiology: is it ready for prime time? 1.5 hr

FDA Regulatory update and perspective on genetics and pharmacogenomics 0.75 hr

Choosing wisely: when (and when not to) use pharmacogenomics testing in psychiatry  
1.5 hr

Innovative practice models for incorporating precision medicine into primary care: Making it work  
1.5 hr

Pharmacogenetic testing for pain management: a prescription for relief? 1.5 hr

Precision medicine in Oncology: what you need to know to keep up 0.75 hr

Implementing pharmacogenomics: to the CPIC guidelines and beyond 1.0 hr

Evaluating commercial laboratories for pharmacogenomics testing: Q&A 1.0 hr

Communicating and documenting clinical practice recommendations in pharmacogenetics  
0.75 hr

Pharmacogenetics patient case challenges: What would you do? 0.75 hr

Exam 1.0 hr

total = 18.75 hours plus outside study to prepare for the final exam.

**Links and Policies** The Policies in the following link apply to this course. Review the Pharm.D. Course Policies carefully, at this URL: <http://curriculum.pharmacy.ufl.edu/current-students/course-policies/>

**Grading Scheme** Assessment Item

Attendance – Student must attend at least 15 of the 17.75 hrs of conference activities.

>15 hr = Satisfactory

<15 hr = Unsatisfactory

Exam: The exam will assess content covered in the conference sessions.

>69.5% = Satisfactory

<69.5% = Unsatisfactory

Total Satisfactory grade must be achieved on each of the above items to receive a satisfactory grade in the course.

**Instructor(s)** Kristen Weitzel, Pharm.D., CDE, FAPhA

- Email: [kweitzel@cop.ufl.edu](mailto:kweitzel@cop.ufl.edu)
- Office: HPNP 3308A/GNV
- Phone: 352-273-5114

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# [PHA 5XXX] UF Precision Medicine Conference

*Spring 2019*

*1 Semester Credit Hour Block 10 Satisfactory-Unsatisfactory Grading*

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*Attendance at this conference develops knowledge and skills related to the latest strategies and technologies for bringing genomic medicine and pharmacogenomics into a clinic. Students will participate in a precision medicine conference along with clinicians, researchers and thought leaders from medicine and pharmacy to receive guidance on implementing genomic medicine and pharmacogenomics in a variety of clinic settings.*

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## Teaching Partnership Leader

Kristen Weitzel, Pharm.D., CDE, FAPhA

- Email: [kweitzel@cop.ufl.edu](mailto:kweitzel@cop.ufl.edu)
- Office: HPNP 3308A/GNV
- Phone: 352-273-5114
- Office Hours: By appointment ONLY.

*See Appendix A. for Course Directory of Faculty and Staff Contact Information.*

## Entrustable Professional Activities

1. Analyze information to determine the effects of medication therapy, identify medication-related problems, and prioritize health-related needs. (2.0)
2. Establish patient-centered goals and create a care plan for a patient in collaboration with the patient, caregiver(s), and other health professionals that is evidence-based and cost-effective (3.0)

## Course-Level Objectives

Upon completion of this course, the student will be able to:

1. Describe the current state of knowledge and emerging trends in precision medicine in clinical practice.
2. Apply genetic and pharmacogenetic data to solve complex patient cases.
3. Discuss clinical applications of genetics and pharmacogenetics in cardiology, psychiatry, and pain management.
4. Discuss how pharmacogenetic testing can be implemented in a multidisciplinary primary care practice.
5. Illustrate solutions to common pharmacogenetics implementation barriers, including documentation, commercial laboratory evaluation, and patient education.

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## **Course Pre-requisites**

Successful completion of Blocks 1-9 of the Doctor of Pharmacy curriculum including milestones

## **Course Co-requisites**

None required

## **Course Outline**

Please routinely check your campus calendar and the Canvas course site for any messages about changes in the schedule including meeting dates/times, deadlines, and room changes

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<b>Date Recommended Dates for Independent Study</b>	<b>Mod#</b>	<b>Unit Topic</b>	<b>Contact Hours [hr.]a</b>	<b>Faculty Author</b>	<b>Learning Objectives Covered</b>
March 8		Welcome & Keynote Presentation	0.75		1
		Precision Medicine in Practice & Genetic Gems	1.75		1
		Keynote Presentation (Latest developments and cutting edge trends)	0.75		1
		Precision Medicine in Practice & Genetic Gems	1.75		1
		Poster Viewing (interact with authors and view posters on a genetics and pharmacogenomics, innovative practice models, educational strategies, emerging scientific discoveries	1.75		1,4
March 9		Genetic testing to predict medication effects and chronic disease risk in cardiology: is it ready for prime time?	1.5		1,2,3,4,5
		FDA Regulatory update and perspective on genetics and pharmacogenomics	0.75		1,4,5
		Choosing wisely: when (and when not to) use pharmacogenomics testing in psychiatry	1.5		1,2,3
		Innovative practice models for incorporating precision medicine into primary care: Making it work	1.5		1,5
		Pharmacogenetic testing for pain management: a prescription for relief?	1.5		1,2,3,4
		Precision medicine in Oncology: what you need to know to keep up	0.75		1,2,4
March 10		Implementing pharmacogenomics: to the CPIC guidelines and beyond	1.0		1,2

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		Evaluating commercial laboratories for pharmacogenomics testing: Q&A	1.0		1,4
		Communicating and documenting clinical practice recommendations in pharmacogenetics	0.75		1,2,5
		Pharmacogenetics patient case challenges: What would you do?	0.75		1,2,3,4,5
		Exam	1.0		
		<i>Total</i>	<i>18.75 hr</i>		

## Required Textbooks/Readings

- There are no required textbooks for this course.
- Handout materials and slides that are used during the conference will be made available to students for review and study.

## Student Evaluation & Grading

### Evaluation Methods and how grades are determined

To receive a passing grade, the student must satisfactorily complete all components listed below.

Assessment Item	Criteria for Satisfactory Grade
Attendance – Student must attend at least 15 of the 17.75 hrs of conference activities.	≥15 hr = Satisfactory <15 hr = Unsatisfactory
Exam: The exam will assess content covered in the conference sessions.	≥69.5% = Satisfactory <69.5% = Unsatisfactory
<b>Total</b>	<b>Satisfactory grade must be achieved on each of the above items to receive a satisfactory grade in the course.</b>

**Rounding of grades:** In grading of the exam, grades will be rounded to the 2<sup>nd</sup> decimal place. If the decimal is X.495 or higher, Canvas will round the grade to X.50. The above scale depicts this policy and grades are determined accordingly. Grade assignment is made using this policy and ***no exceptions*** will be made in situations where a student's grade is "close."

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### **Educational Technology Use**

The following technology below will be used during the course and the student must have the appropriate technology and software.

1. ExamSoft™ Testing Platform
2. Canvas™ Learning Management System

For technical support, navigate to [Educational Technology and IT Support Contact Information](#) at this URL:  
<http://curriculum.pharmacy.ufl.edu/current-students/technical-help/>

### **Pharm.D. Course Policies**

The Policies in the following link apply to this course. Review the [Pharm.D. Course Policies](#) carefully, at this URL:  
<http://curriculum.pharmacy.ufl.edu/current-students/course-policies/>



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## Appendix A. Course Directory

### Teaching Partnership Leader/Course Director:

Kristen Weitzel, Pharm.D., CDE, FAPhA

- Email: [kweitzel@cop.ufl.edu](mailto:kweitzel@cop.ufl.edu)
- Office: HPNP 3308A/GNV
- Phone: 352-273-5114
- Office Hours: By appointment ONLY.

Office Hours: By appointment ONLY **Questions to Ask:**

- Concerns about performance
- Guidance when there are performance problems (failing grades)
- General questions about content

### Academic/Education Coordinators:

Sarah A. Burgess, M.Ed.

Academic Coordinator

Email: [sburgess@cop.ufl.edu](mailto:sburgess@cop.ufl.edu)

Office: HPNP 4312/GNV

Phone: 352-273-5617

Absent/Tardy Email: [absent3pd@cop.ufl.edu](mailto:absent3pd@cop.ufl.edu)

name

Education Coordinator

Email: [xx@cop.ufl.edu](mailto:xx@cop.ufl.edu)

Office: Jacksonville Campus

name

Education Coordinator

Email: [xx@cop.ufl.edu](mailto:xx@cop.ufl.edu)

Office: Orlando Campus

**Questions to Ask:**

- Issues related to course policies (absences, make up exams, missed attendance)
- Absence requests (Only the Academic Coordinator handles absence requests)
- Questions about dates, deadlines, meeting place
- Availability of handouts and other course materials
- Assignment directions
- Questions about grade entries gradebook (missing grades, wrong grade)
- Assistance with ExamSoft® (Distant campus students may contact Education Coordinator for use of SofTest and assistance during exams. The Academic Coordinator is the contact person for issues related to grading and posting of ExamSoft grades.)

## **Other Teaching Partnership Faculty Members:**

### **Course Faculty and Office Hours**