# Cover Sheet: Request 12353

**PHA5XXX UF Precision Medicine Conference**

## Info

<table>
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<tr>
<th>Process</th>
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<tr>
<td>Status</td>
<td>Pending at PV - University Curriculum Committee (UCC)</td>
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<tr>
<td>Submitter</td>
<td>Diane Beck <a href="mailto:beck@cop.ufl.edu">beck@cop.ufl.edu</a></td>
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<tr>
<td>Updated</td>
<td>2/23/2018 9:55:37 AM</td>
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**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

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<td>COP - Interdisciplinary Studies</td>
<td>Karen Whalen</td>
<td></td>
<td>2/23/2018</td>
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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
  - Office: HPNP 3308A/GNV
  - Phone: 352-273-5114
[PHA 5XXX] UF Precision Medicine Conference

Spring 2019

1 Semester Credit Hour  Block 10  Satisfactory-Unsatisfactory Grading

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.

Teaching Partnership Leader

Kristen Weitzel, Pharm.D., CDE, FAPhA

- Email: 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.
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
<table>
<thead>
<tr>
<th>Date</th>
<th>Mod#</th>
<th>Unit Topic</th>
<th>Contact Hours [hr.]</th>
<th>Faculty Author</th>
<th>Learning Objectives Covered</th>
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<tr>
<td>March 8</td>
<td></td>
<td>Welcome &amp; Keynote Presentation</td>
<td>0.75</td>
<td></td>
<td>1</td>
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<tr>
<td></td>
<td></td>
<td>Precision Medicine in Practice &amp; Genetic Gems</td>
<td>1.75</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Keynote Presentation (Latest developments and cutting edge trends)</td>
<td>0.75</td>
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<tr>
<td></td>
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<td>Precision Medicine in Practice &amp; Genetic Gems</td>
<td>1.75</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Poster Viewing (interact with authors and view posters on a genetics and pharmacogenomics, innovative practice models, educational strategies, emerging scientific discoveries)</td>
<td>1.75</td>
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<td>1,4</td>
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<tr>
<td>March 9</td>
<td></td>
<td>Genetic testing to predict medication effects and chronic disease risk in cardiology: is it ready for prime time?</td>
<td>1.5</td>
<td></td>
<td>1,2,3,4,5</td>
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<tr>
<td></td>
<td></td>
<td>FDA Regulatory update and perspective on genetics and pharmacogenomics</td>
<td>0.75</td>
<td></td>
<td>1,4,5</td>
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<tr>
<td></td>
<td></td>
<td>Choosing wisely: when (and when not to) use pharmacogenomics testing in psychiatry</td>
<td>1.5</td>
<td></td>
<td>1,2,3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Innovative practice models for incorporating precision medicine into primary care: Making it work</td>
<td>1.5</td>
<td></td>
<td>1,5</td>
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<tr>
<td></td>
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<td>Pharmacogenetic testing for pain management: a prescription for relief?</td>
<td>1.5</td>
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<td>1,2,3,4</td>
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<td></td>
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<td>Precision medicine in Oncology: what you need to know to keep up</td>
<td>0.75</td>
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<td>1,2,4</td>
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<td>March 10</td>
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<td>Implementing pharmacogenomics: to the CPIC guidelines and beyond</td>
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<td>Assessment Item</td>
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| Attendance – Student must attend at least 15 of the 17.75 hrs of conference activities. | \( \geq 15 \text{ hr} = \text{Satisfactory} \)  
\(< 15 \text{ hr} = \text{Unsatisfactory} \)  |
| Exam: The exam will assess content covered in the conference sessions. | \( \geq 69.5\% = \text{Satisfactory} \)  
\(< 69.5\% = \text{Unsatisfactory} \)  |
| Total | Satisfactory grade must be achieved on each of the above items to receive a satisfactory grade in the course. |

**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.

- **Attendance**
  - ≥15 hr = Satisfactory
  - <15 hr = Unsatisfactory

- **Exam**
  - ≥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.

**Rounding of grades:** In grading of the exam, grades will be rounded to the 2nd 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.”
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/
Appendix A. Course Directory

Teaching Partnership Leader/Course Director:

Kristen Weitzel, Pharm.D., CDE, FAPhA
- Email: 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
Office: HPNP 4312/GNV
Phone: 352-273-5617

Absent/Tardy Email: absent3pd@cop.ufl.edu

name
Education Coordinator
Email: xx@cop.ufl.edu
Office: Jacksonville Campus

name
Education Coordinator
Email: 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