

Cover Sheet: Request 13080

PHA 5609 Pediatric Pharmacotherapy; Pre-requisites Change

Info

Process	Course Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Karen Whalen whalen@cop.ufl.edu
Created	9/21/2018 1:28:39 PM
Updated	9/21/2018 1:53:54 PM
Description of request	Pediatric Pharmacotherapy is intended for third-year Doctor of Pharmacy students who have completed Patient Care 8 (PHA 5786C), a course which includes an introductory overview of pediatric pharmacotherapy. The Patient Care 8 course occurs in Block 17 of the Pharm.D. curriculum. The wording of the current pre-requisites would allow for a second-year pharmacy student who has not completed Patient Care 8 to take the Pediatric Pharmacotherapy course (PHA 5609). The pre-requisites are being updated to more clearly indicate that PHA 5609 is intended for pharmacy students in the third year of the Pharm.D. curriculum.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	COP - Interdisciplinary Studies	Karen Whalen		9/21/2018
syllabus-pha5609 revised.pdf					9/21/2018
College	Approved	COP - College of Pharmacy	Diane Beck		9/21/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			9/21/2018
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|Modify for request 13080

Info

Request: PHA 5609 Pediatric Pharmacotherapy; Pre-requisites Change

Description of request: Pediatric Pharmacotherapy is intended for third-year Doctor of Pharmacy students who have completed Patient Care 8 (PHA 5786C), a course which includes an introductory overview of pediatric pharmacotherapy. The Patient Care 8 course occurs in Block 17 of the Pharm.D. curriculum. The wording of the current pre-requisites would allow for a second-year pharmacy student who has not completed Patient Care 8 to take the Pediatric Pharmacotherapy course (PHA 5609). The pre-requisites are being updated to more clearly indicate that PHA 5609 is intended for pharmacy students in the third year of the Pharm.D. curriculum.

Submitter: Karen Whalen whalen@cop.ufl.edu

Created: 9/21/2018 1:18:15 PM

Form version: 1

Responses

Current Prefix

Enter the current three letter code (e.g., POS, ATR, ENC).

Response:

PHA

Course Level

Select the current one digit code preceding the course number that indicates the course level at which the course is taught (e.g., 1=freshman, 2=sophomore, etc.).

Response:

5

Number

Enter the current three digit code indicating the specific content of the course based on the SCNS taxonomy and course equivalency profiles.

Response:

609

Lab Code

Enter the current lab code. This code indicates whether the course is lecture only (None), lab only (L), or a combined lecture and lab (C).

Response:

None

Course Title

Enter the current title of the course as it appears in the Academic Catalog.

Response:

Pediatric Pharmacotherapy

Effective Term

Select the requested term that the course change(s) will first be implemented. Selecting "Earliest" will allow the change to be effective in the earliest term after SCNS approval. If a specific term and year are selected, this should reflect the department's expectations. Courses cannot be changed retroactively, and therefore the actual effective term cannot be prior to SCNS approval, which must be obtained prior to the first day of classes for the effective term. SCNS approval typically requires at least 6 weeks after approval of the course change at UF.

Response:
Spring

Effective Year

Select the requested year that the course change will first be implemented. See preceding item for further information.

Response:
2019

Requested Action

Indicate whether the change is for termination of the course or any other change. If the latter is selected, all of the following items must be completed for any requested change.

Response:
Other (selecting this option opens additional form fields below)

Change Course Prefix?

Response:
No

Change Course Level?

Note that a change in course level requires submission of a course syllabus.

Response:
No

Change Course Number?

Response:
No

Change Lab Code?

Note that a change in lab code requires submission of a course syllabus.

Response:

No

Change Course Title?

Response:
No

Change Transcript Title?

Response:
No

Change Credit Hours?

Note that a change in credit hours requires submission of a course syllabus.

Response:
No

Change Variable Credit?

Note that a change in variable credit status requires submission of a course syllabus.

Response:
No

Change S/U Only?

Response:
No

Change Contact Type?

Response:
No

Change Rotating Topic Designation?

Response:
No

Change Repeatable Credit?

Note that a change in repeatable credit status requires submission of a course syllabus.

Response:
No

Maximum Repeatable Credits

Enter the maximum credits a student may accrue by repeating this course.

Response:
0

Change Course Description?

Note that a change in course description requires submission of a course syllabus.

Response:
No

Change Prerequisites?

Response:
Yes

Current Prerequisites

Response:
1. Completion of all Year 1 and 2 Pharm.D. program coursework including milestones.
2. Satisfactory completion of Block 8 in the Pharm.D. curriculum.

Proposed Prerequisites

Response:
1. Completion of all Year 1 and 2 Pharm.D. program coursework including milestones.
2. Satisfactory completion of Block 17 in the Pharm.D. curriculum.

Change Co-requisites?

Response:
No

Rationale

Please explain the rationale for the requested change.

Response:

This course is intended for third-year Doctor of Pharmacy students who have completed Patient Care 8 (PHA 5786C), a course which includes an introductory overview of pediatric pharmacotherapy. The Patient Care 8 course occurs in Block 17 of the Pharm.D. curriculum. The wording of the current pre-requisites would allow for a second-year pharmacy student who has not completed Patient Care 8 to take the Pediatric Pharmacotherapy course (PHA 5609). The pre-requisites are being updated to more clearly indicate that PHA 5609 is intended for pharmacy students in the third year of the Pharm.D. curriculum.

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PHA5609 Pediatric Pharmacotherapy

Spring 2019

2 Credit Hours – [A-E Grading]

This elective course will provide students with an understanding of the health care needs of the pediatric patient. In addition, the students will develop the knowledge and skills to provide pharmaceutical care to pediatric patients in both ambulatory and inpatient settings. The course will focus on developmental stages of growth, common pediatric disease states, and specific pharmacotherapeutic considerations unique to pediatric patients. The course will be taught through a combination of lectures and active learning sessions.

Teaching Partnership Leader

Kalen Manasco, Pharm.D., BCPS, FPPAG

- Email: kmanasco@cop.ufl.edu
- Office: HPNP 3310
- Phone: 352-294-8749
- Office Hours: By appointment ONLY

Entrustable Professional Activities

This course will prepare you to perform the following activities which the public entrusts a Pharmacist to perform:

1. **EPA A1.** Collect subjective and objective data by performing a patient assessment and gathering data from chart/electronic records, pharmacist records, other health professionals and patient/family interviews.
2. **EPA A2.** Interpret patient data, and identify medication-related problems and develop a prioritized problem list.
3. **EPA A3.** Formulate evidence-based care plans in collaboration with an interprofessional team. Utilize clinical guidelines in the development of a pharmacotherapy plan.
4. **EPA A5.** Provide counseling and medications and health wellness (including referral when there are social determinants of health and disparities).
5. **EPA A6.** Assess and counsel a patient about health-wellness
6. **EPA A7.** Present a succinct oral patient summary and plan to a health care provider. Defend a therapeutic plan verbally or in writing using references, guidelines, or primary literature.
7. **EPA A9.** Collaborate as a member of an interprofessional team and provide patient-centered care.

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Course-Level Objectives

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

1. Explain the challenges of providing pharmaceutical care to pediatric patients.
2. Identify and utilize appropriate drug information resources to help make decisions about the management of common pediatric disease states.
3. Recommend appropriate therapy and monitoring of common pediatric disease states (to include appropriate patient counseling techniques about medications) through participation in patient case discussions.
4. Calculate pediatric dosages of medications and provide information on the availability of dosage forms (i.e., manufactured product, extemporaneous formulation).
5. Identify controversial topics relating to the pharmaceutical care of pediatric patients for group discussions.

Course Pre-requisites

1. Completion of all Year 1 and 2 Pharm.D. program coursework including milestones.
2. Satisfactory completion of Block 17 in the Pharm.D. curriculum.

Course Co-requisites

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.

Recommended Viewing Days	Mod#	Unit Topic	Learning Objectives Covered	Faculty Author	Contact Hours [hr.] ^a
4/23/18	1	Module 1: Introduction to Pediatrics		Manasco	
4/23/18	1.1	Introduction to Pediatrics - 30 minute recorded lecture	1,2,4	Manasco	0.5
4/23/18	1.2	Careers in Pediatric Pharmacy - 30 minute recorded lecture	1,2	Manasco	0.5
4/23/18 1:30PM-3:30PM	1	Active Learning Session 1		Manasco	2
	1	Module 1 Quiz			
4/23/18 3:30PM-5PM		Work on Group Project			1.5
4/24/18	2	Module 2: Principles in Pediatric Pharmacy		Campbell	
4/24/18	2.1	Fluids/Electrolytes/Nutrition	3,4	Campbell	1.0

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		- 1 hour recorded lecture			
4/24/18	2.2	Medication Safety/Drug information - 30 minute recorded lecture	1,2	Campbell	0.5
4/25/18 2PM-4PM	2	Active Learning Session 2		Campbell	2
	2	Module 2 Quiz			
4/25/18 4PM-5PM		Work on Group Project			1.0
4/26/18	3	Module 3: Special Populations		Campbell	
4/26/18	3.1	Congenital Heart Disease - 1 hour recorded lecture	1,2	Kelly	1.0
4/26/18	3.2	Renal Disorders - 1 hour recorded lecture	1,2	Campbell	1.0
4/27/18 1:30PM-3:30PM	3	Active Learning Session 3		Campbell	2
	3	Module 3 Quiz			
4/27/18 3:30-4:30PM		Work on Group Project			1.0
4/27/18	4	Module 4: Pediatric Ambulatory Care		Campbell	
4/27/18	4.1	Cystic Fibrosis - 1 hour recorded lecture	3	Manasco	1.0
4/30/18	4.2	Type 1 Diabetes - 1 hour recorded lecture	3	Campbell	1.0
4/30/18	4.3	Pediatric Oncology Principles - 1 hour recorded lecture	3	Higgins	1.0
4/30/18 1:30PM-3:30PM	4	Active Learning Session 4		Campbell	2
	4	Module 4 Quiz			
4/30/18 3:30-4:30PM		Work on Group Project			1.0
5/1/18	5	Module 5: Pediatric Acute Care		Campbell	
5/1/18	5.1	NICU Basics and Controversies 1 hour recorded lecture	1,3,5	O'Mara	1.0
5/1/18	5.2	PICU Basics and Controversies 1 hour recorded lecture	1,3,5	Campbell	1.0
5/1/18	5.3	Toxicology 1 hour recorded lecture	3	Manasco	1.0
5/2/18 1:30PM-3:30PM	5	Active Learning Session 5		Campbell	2
	5	Module 5 Quiz			
5/2/18 3:30-4:30PM		Work on Group Project			1.0
5/4/18 1:30PM-3:30PM	1-5	Active Learning Session 6: Group Project Presentations		Manasco	2

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5/7/18 8:30-10:30am	1 – 5	Exam			2.0
				Total	27

Required Textbooks/Readings

Dipiro J, Talbert R, Yee G, Matzke G, Wells B, Posey L. Pharmacotherapy – A pathophysiologic approach. McGraw-Hill Professional, New York, NY, 9th Edition, 2014. ISBN-13:978-0071800532; ISBN-10:0071800530 (Available in Access Pharmacy)

- Use [UF VPN to access UF Libraries Resources](#) when off-campus.
- The UF HSC library staff can assist you with questions or issues related to accessing online library materials. For assistance contact your College of Pharmacy librarian or visit the [HSC Library Website](#) at this URL: <http://www.library.health.ufl.edu/>

Suggested Textbooks/Readings

Benavides S, Nahata MC, eds. Pediatric Pharmacotherapy. 1st edition. Lenexa, Kansas: American College of Clinical Pharmacy; 2013. ISBN-13: 978-1-932658-89-7. Available for purchase online: https://www.accp.com/store/product.aspx?pc=TH_01PPG

Kliegman R, Stanton B, St. Geme J, Schor N. Nelson Textbook of Pediatrics. Elsevier Health Sciences, Philadelphia, PA, 20th edition, 2015. ISBN-13: 978-1455775668. Available via HSC library website at this URL: <http://www.library.health.ufl.edu/>

Other Required Learning Resources

None

Materials & Supplies Fees

None

Group Presentation

Students will be placed into groups on the first day of class and be required to make a brief presentation at the end of the semester on a unique pediatric disease state. The presentation should be in both oral and written format for assessment. You should include background on the disease state and also evidence-based information about the treatment (review of clinical practice guidelines, clinical trials, etc.). The following rubric will be used to assess the presentation skills of the members of the group. Each member of the group will be expected to contribute to both the written and oral presentation.

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	Exemplary 10	Accomplished 7	Developing 5	Beginning 3
Organization	Information presented in logical, interesting sequence, is accurate and very comprehensive	Information in logical sequence, is accurate and comprehensive	Difficult to follow presentation--student jumps around or material; is either not accurate or not comprehensive	Cannot understand presentation; content is not accurate and not comprehensive
Subject Knowledge	Demonstrates full knowledge by answering all class questions with explanations and elaborations	At ease with expected answers to questions but does not elaborate	Uncomfortable with information and is able to answer only rudimentary questions	Does not have a grasp of the information. Cannot answer questions about subject
Graphics	Explain and reinforce screen text and presentation, information is in sufficient detail but not overwhelming	Relate to text and presentation, lacks sufficient detail or overwhelming amount of detail	Occasionally uses graphics that rarely support text and presentation	Uses superfluous graphics or no graphics
Research	Uses a variety of sources in reaching accurate conclusions (at least 5 sources that are primary, secondary, or tertiary sources.) All sources are properly cited using an approved format.	Uses a variety of sources in reaching conclusions (does not use 5 sources or does not use a variety of sources that are primary, secondary, or tertiary in nature)	Presents only evidence that supports a preconceived point of view (uses 1 or 2 sources or citations are incomplete)	Does not justify conclusions with research evidence (no sources cited)
Oral Presentation Elocution/Eye Contact	Maintains eye contact and pronounces all terms precisely. All audience members can hear.	Maintains eye contact most of the time and pronounces most words correctly. Most audience members can hear presentation	Occasionally uses eye contact, mostly reading presentation, and incorrectly pronounces terms. Audience members have difficulty hearing	Reads with no eye contact and incorrectly pronounces terms. Speaks too quietly
Total Points				

Developed by Kay Sagmiller, Director Center for Teaching and Learning Oregon State University

Student Evaluation & Grading

Evaluation Methods and How Grades are calculated

Assessment Item	Grade Percentage
Post lecture/pre-class quizzes (n = 5)	25%

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Group presentation	35%
Final Exam	20%
Active Learning Sessions/Group Discussion	20%
Total	100%

Table 1. Grading Scale

Percentage Range	Letter Grade
92.50-100%	A
89.50-92.49%	A-
86.50-89.49%	B+
82.50-86.49%	B
79.50-82.49%	B-
76.50-79.49%	C+
72.50-76.49%	C
69.50-72.49%	C-
66.50-69.49%	D+
62.50-66.49%	D
59.50-62.49%	D-
< 59.50%	E

Rounding of grades:

Final grades in Canvas 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

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

Pharm.D. Course Policies

The [Pharm.D. Course Policies](http://curriculum.pharmacy.ufl.edu/current-students/course-policies/) in the following link apply to this course:
<http://curriculum.pharmacy.ufl.edu/current-students/course-policies/>
Please review these policies carefully before the course starts.

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Appendix A. Course Directory

Teaching Partnership Leader/Course Director:

Kalen Manasco, Pharm.D., BCPS, FPPAG

Email: kmanasco@cop.ufl.edu

Office: HPNP 3310

Phone: 352-294-8749

Office Hours: By appointment ONLY

Questions to Ask:

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

Academic Coordinator:

Holly Fremen

Email: holly.fremen@cop.ufl.edu

Office: HPNP 4312

Phone: 352-273-5558

Office Hours: By appointment ONLY.

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.)

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Other Teaching Partnership Faculty Members:

Campbell, Christopher Email: campbellc@cop.ufl.edu

Office: HPNP 2314A

Phone: (352) 294-8779

Higgins, Tara Email: mccabt@shands.ufl.edu

O'Mara, Keliana Email: omarak@shands.ufl.edu

Kelly, Brian Email: kellbj@shands.ufl.edu