# YOUR SOUTH DAKOTA BOARD OF REGENTS PUBLIC UNIVERSITIES & SPECIAL SCHOOLS

### SOUTH DAKOTA BOARD OF REGENTS

#### ACADEMIC AFFAIRS FORMS

# New Course Request

	Pharmacy & Allied Health Professions/Pharmaceutical Sciences		
SDSU			
Institution	Division/Department		
Dennis D. Hedge	_	2/7/2018	
Institutional Approval Signature		Date	

**Section 1. Course Title and Description** 

Prefix & No.	Course Title	Credits
PHA 453	Pathophysiology, Pharmacology & Toxicology IV	4

<sup>\*</sup>short title for use in Colleague: Pathophys, Pharmacol, Tox IV

#### **Course Description**

Continuation of Pathophysiology, Pharmacology & Toxicology III. Pathophysiology of common and significant diseases, the pharmacology of medications used in treatment of those diseases, and basic principles of prevention and treatment of drug overdoses and other poisonings.

**Pre-requisites or Co-requisites** 

Prefix & No.	Course Title	Pre-Req/Co-Req?
PHA 452	Pathophysiology, Pharmacology & Toxicology III	Pre-Req

#### **Registration Restrictions**

None

SDSU Catalog Note: P2 year standing.

# **Section 2. Review of Course**

# 2.1. Was the course first offered as an experimental course?

 $\boxtimes$  Yes (if yes, provide the course information below)  $\square$  No

## 2.2. Will this be a unique or common course?

#### **☑** Unique Course

Prefix & No.	Course Title	Credits
PHA 320/ NURS 323	Introduction to Pathophysiology	3
NURS 321	Pharmacology	3

Provide explanation of differences between proposed course and existing system catalog courses below:

Pathophysiology content is covered in PHA 320/NURS 323 Introduction to Pathophysiology. The proposed new course is an integrated course including pathophysiology, pharmacology, and toxicology. The integrated nature of the course distinguishes the proposed class from NURS 323. PHA 320 will be deleted due to the introduction of the integrated course. The intent of the integration is to allow greater depth of content coverage and improved student learning. There is a pharmacology course for nursing students (NURS 321) in the inventory. This course is focused on nursing applications related to drug administration, is only a one-semester three credit course, and is not integrated. Therefore, it does not have the required breadth and depth of pharmacology content required for the Doctor of Pharmacy program. The proposed Pathophysiology, Pharmacology, and Toxicology course sequence is an overall four-semester course sequence with a fully integrated design which distinguishes it from NURS 321.

Sooti	☐ BHSU	☐ DSU	□NSU	$\square$ SDSMT	□ SDSU	□ USD
		Course Info	ormation affing impacts	?		
	. Replacement		A 444 Toxicolo			
<u> </u>	. replacement		· · · · · · · · · · · · · · · · · · ·	rse number, name	of course, cre	dits)
			ctive date of de			,
		_		m multiple separ		•
	_	•	-	s will teach the in	•	
3.2.	~ -	_	hich course wil	<b>ll be offered:</b> Pha	armaceutical S	ciences (B.S.)/
	nacy (Pharm.	•	athad by unive	maitru D. Laats	• • • • • • • • • • • • • • • • • • • •	
3.3. 3.4.	-		•	ersity: R – Lecture: 001 – Face to		hazı
3.5.	-	•	tive: Fall 2018		iacc, icim ba	scu
3.6.	_		ourse for addi			
□ Yes	s, total credit li	_	⊠N			
<b>3.7.</b>	Will grade f	or this course	be limited to S	S/U (pass/fail)?		
☐ Yes	s ⊠ No					
3.8.	Will section	enrollment b	e capped?			
⊠ Yes	s, max per sect		$\Box$ N			
3.9.		_				completion) with
-	_		irses in the cor	nmon course sys	stem database	in Colleague and
	ourse Invento	ry Report?				
	S 🗵 No	v annuavad fa	<b></b>	:49		
	is uns prenz s □ No	k approved 10	r your univers	ity:		
		tmont and	Course Code	s (Completed	by Univers	ity Agadomia
Affai		unent and v	Course Coue	s (Completed	by Univers	ity Academic
4.1.		Department C	ode: SPAHP			
4.2.	•	IP Code: 51.2				
	_	de for the univ		es ⊠ No		
				RSE REQUE	ST	
		Supportin	ng Justificati	on for On-Ca	mpus Revie	$\mathbf{W}$
Teresa S	Seefeldt		Teresa Seefeldt			9/25/2017
	t Originator		Signature			Date
Om Peri	_	1	Om Perumal			10/30/2017
Departi	ment Chair		Signature			Date
Jane Mo			Jane Mort			10/30/2017
School/	College Dean	l	Signature			Date
cu Th Int 44 pa	rriculum. ne proposed co troduction to P 4 Toxicology) thophysiology	urse involves in Pathophysiolog The content of disease is c	integration of co y, PHA 442 Ph from these cou- critical to under	ontent from four armacology I, Phrses is highly intestanding how dru	existing course HA 443 Pharm errelated as und gs work to trea	acology II, and PHA derstanding of the at that disease and
kn	owiedge of ph	armacology is	critical to unde	erstanding the eff	ects of poisoni	ngs and overdoses.

By integrating the content into one course series, students should be better able to make the

connections between the content areas with the goal of improving understanding and retention. In

depth of knowledge in pathophysiology. Specifically, student pharmacists need to understand detailed mechanisms of disease processes to understand how the medications impact these mechanisms. Integration of the pathophysiology content with pharmacology and toxicology will allow for greater depth of coverage and help students make the connections between disease and drug mechanism of action. 2. Note whether this course is:  $\boxtimes$ Required 

Elective 3. In addition to the major/program in which this course is offered, what other majors/programs will be affected by this course? Currently, pathophysiology is offered as a joint course between nursing and pharmacy. With this change, the pharmacy students will take the integrated pathophysiology, pharmacology, and toxicology course series instead of the stand-alone pathophysiology course. 4. If this will be a dual listed course, indicate how the distinction between the two levels will be made. NA 5. Desired section size 80 6. Provide qualifications of faculty who will teach this course. List name(s), rank(s), and degree(s). Gudiseva Chandrasekher, PhD, Associate Professor of Pharmaceutical Sciences Shafiqur Rahman, PhD, Professor of Pharmaceutical Sciences Teresa Seefeldt, PharmD, PhD, Associate Professor of Pharmaceutical Sciences 7. Note whether adequate facilities are available and list any special equipment needed for the course. Adequate classroom facilities are available to teach this course. No special equipment is needed. 8. Note whether adequate library and media support are available for the course. Library and media support resources are adequate for this course. No special resources are needed. 9. Will the new course duplicate courses currently being offered on this campus? □ Yes  $\boxtimes$ If yes, provide justification. 10. If this course may be offered for variable credit, explain how the amount of credit at each offering is to be determined. NA

addition, new student learning outcomes and expectations for pharmacy practice require a greater