

SOUTH DAKOTA BOARD OF REGENTS

ACADEMIC AFFAIRS FORMS

Authority to Offer an Existing Course

NSU	J	Science and Math	
	itution	Division/Department	
γ	richard	2 Warous	1/31/2020
Insti	itutional Approva	l Signature	Date
	-	ffer an existing common course or an tatus from unique to common)?	existing unique course (approval
**1	C	mon Course	
		ue Course \square	
	ovide the compl quisites and co-re	ete description as it appears in the quisites.	system database including pre-
	Prefix & No.	Course Title	Credits
Ī	CHEM 464 and	Biochemistry I and	Lecture: 3
	CHEM 464L	Biochemistry I Lab	Lab: 1

Course Description

Lecture: A study of the fundamental principles governing the behavior of biochemical systems. Topics covered in the two semester sequence include the study of proteins, lipids and carbohydrates, metabolic processes, biological oxidation and reduction processes, molecular aspects of DNA replication and repair pathways, transcription and RNA processing, and protein translation.

Lab: Laboratory designated to accompany CHEM 464.

Pre-requisites or Co-requisites (add lines as needed, make sure to copy boxes in Pre-req and Co-req cells)

Prefix & No.	Course Title	Pre-req	Co-req
CHEM 229	Transformation Organic Molec (Required for Lecture)	Y or	
CHEM 328	Organic Chemistry II (Required for Lecture)	Y	
CHEM 464	Biochemistry I (Lecture required for Lab.)	No	Yes
CHEM 328 L	Organic Chemistry II Lab (Lab required for Lab.)	Yes	No

3. Univ	ersities curren	itly o	ffering t	his co	ourse (<i>pl</i>	ace ai	n "X" in the	approp	riate boxe	s):	
\boxtimes	BHSU		DSU		NSU	\boxtimes	SDSMT	\boxtimes	SDSU		USD
	Lecture/Lab						Lecture/Lab)	Lecture		
Re: Bio	chemistry I a	nd II									
Raynie, I	Douglas < Dougla	ıs.Ray	nie@SDS	TATI	E.EDU>						
	019 4:36 PM , Alyssa <alyssa.kieso< td=""><td>w@nort</td><td>harn adus</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></alyssa.kieso<>	w@nort	harn adus								
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2 attachmen	ts (272 KB) Fall 2019-Syllabus.pdf;	CHEM	165 CVII AD	HS 201	OS Chakrava	rty ndf					
	is the course syl						est that the in	structo	r(s) have a s	trong	
	istry background										
Doug											
South Dakota	State										
University Douglas F	Ravnie										
Associate Pro	ofessor and Department H										
	s of Chemistry & Bioche atural Sciences	emistry a	and Physics								
Avera 131, B Brookings, S	ox 2202										
P: (605) 688-	6361										
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	Biochemistry I an										
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quaiiiieu	acuity member.										
We are su	ıbmi⊡ng an author	itv to o	offer form t	to begi	n offering t	these c	ourses next fall.	We no	ced vour ins	tu on	
	offers these course	•		_	_			_			ke
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you.											
Sincerely,											
Alyssa Kie	sow										
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4. Does	Offering the	Cour	se Creat	e FTT	E Implic	ation	s? No				
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li	no , Replacem	nent o	of			•	e, credits)	(deleti	on form at	tache	1)
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5. Does	Offering the	Cour	se Creat	e Sch	edule M	[anage	ement Impli	cations	? Yes		
Expl	ain: We will ma	ake co	ourse load	adius	tments wi	ith exis	sting and new	chemist	rv faculty t	o allov	v
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6. Existing program(s) in which	h course will be offered:	BS in Chemistry and BS in Biology (and future BS in Biochemistry)
7. CIP Code for the course:	26.0202	
8. Proposed instructional meth	od by this university: _L	ecture (R)
9. Proposed delivery method b	y this university: Face-t	o-Face (N01)
10. University Dept. Code:	NMATH	
Banner Department Code	:NMTH	
11. Authority to offer effective	e beginning in what term?	Fall 2020
12. Section Restriction: 16-2	20 students	