



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

New Course Request

USD	School of Health Sciences, Dept. of Public Health and Health Sciences	
Institution	Division/Department	
<i>Elizabeth M. Freeburg</i>		12/7/2020
Institutional Approval Signature		Date

Section 1. Course Title and Description

Prefix & No.	Course Title	Credits
PUBH 301	Introduction to Public Health Biostatistics [short title: Intro Public Health Biostats]	3

Course Description
This course introduces undergraduate students to biostatistics and includes basic concepts and ideas in quantitative analysis of public health data.

Pre-requisites or Co-requisites (add lines as needed)

Prefix & No.	Course Title	Pre-Req/Co-Req?
STAT 281 or BADM 220 or SOC 309 or PSYC 371	Introduction to Statistics Business Statistics (C) Statistical Research Methods Statistics in Psychological Research (C)	Pre-Req

Registration Restrictions None

Section 2. Review of Course

2.1. Will this be a unique or common course (place an "X" in the appropriate box)?

If the request is for a unique course, institutions must review the common course catalog in the system course database to determine if a comparable common course already exists. List the two closest course matches in the common course catalog and provide a brief narrative explaining why the proposed course differs from those listed. If a search of the common course catalog determines an existing common course exists, complete the Authority to Offer an Existing Course Form. Courses requested without an attempt to find comparable courses will not be reviewed.

Unique Course

Prefix & No.	Course Title	Crs
BIOL 420	Intro to Biostats/Computational Biology (co-req BIOL 420/L)	3
STAT 281	Introduction to Statistics	3

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

BIOL 420 taught at NSU & USD focuses specifically on data analysis for the field of biology.. It does not have content specific to analysis of population health measures that the proposed PUBH 301 course will have. STAT 281 taught by SDSU & USD does not focus specifically on biostatistics in public health and does not include measures such as incidence and prevalence and risk difference. STAT 281 is an introductory course which provides a foundation of basic

statistics and will be an appropriate prerequisite for PUBH 301, Introduction to Public Health Biostatistics.

The PUBH 301 course will continue to build students' advanced knowledge in statistics with a focus on real-world public health examples. The newly proposed PUBH 301 course is critical to meet the accreditation standard of "Understanding the basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice" that will not be met by STAT 281 alone.

Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

<input checked="" type="checkbox"/>	No. Schedule Management, explain below: The course rotation will be scheduled according to faculty workloads.
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3.2. Existing program(s) in which course will be offered (i.e., any current or pending majors, minors, certificates, etc.): New Bachelor of Science in Public Health

3.1. Proposed instructional method by university (as defined by [AAC Guideline 5.4](#)): *If requesting an instructional method that is exempt from the [Section Size Guidelines](#), please provide a brief description of how the course is appropriate for the instructional method, as defined in AAC Guidelines.:* Lecture (R)

3.3. Proposed delivery method by university (as defined by [AAC Guideline 5.5](#)): U15 Internet asynchronous; U18 Internet synchronous

3.4. Term change will be effective: 2022-2023

3.5. Can students repeat the course for additional credit?

Yes, total credit limit: _____ No

3.6. Will grade for this course be limited to S/U (pass/fail)?

Yes No

3.7. Will section enrollment be capped?

Yes, max per section: 35 No

3.8. Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course system database in Colleague and the [Course Inventory Report](#)?

Yes No

3.9. Is this prefix approved for your university?

Yes No

Section 4. Department and Course Codes (Completed by University Academic Affairs)

4.1. University Department Code:	UHSC			
4.2. Proposed CIP Code:	51.2201			
<i>Is this a new CIP code for the university?</i>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No