



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

**New Course Request**

**SDSU**

**Institution**

Dennis D. Hedge

**Institutional Approval Signature**

**Jerome J. Lohr College of Engineering / Department of  
Mathematics & Statistics**

**Division/Department**

12/6/2022

**Date**

3.5. Term change will be effective: fall 2023

3.6. Can students repeat the course for additional credit? Yes, total credit limit: No

3.7. Will grade for this course be limited to S/U (pass/fail)? Yes No

3.8. Will section enrollment be capped? Yes, max per section: No

3.9. 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

3.10. Is this prefix approved for your university? Yes No

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

4.1. University Department: Mathematics & Statistics

4.2. Banner Department Code: SMAS

4.3. Proposed CIP Code: 27.0501

Is this a new CIP code for the university? Yes No

**NEW COURSE REQUEST**

**Supporting Justification for On-Campus Review**

<u>Kurt Cogswell</u>	<u>Kurt Cogswell</u>	<u>4/25/2022</u>
<b>Request Originator</b>	<b>Signature</b>	<b>Date</b>
<u>Kurt Cogswell</u>	<u>Kurt Cogswell</u>	<u>4/25/2022</u>
<b>Department Chair</b>	<b>Signature</b>	<b>Date</b>
<u>Suzette Burckhard</u>	<u>Suzette Burckhard</u>	<u>10/21/2022</u>
<b>School/College Dean</b>	<b>Signature</b>	<b>Date</b>

1. Provide specific reasons for the proposal of this course and explain how the changes enhance the curriculum.

Topics in STAT 731 Statistical Genomics will include genomic data, data visualization, regression modeling and applications in genomics, dimension reduction, variable selection, genome-

8. Note whether adequate library and media support are available for the course.  
Adequate library and media support are available.

9. Will the new course duplicate courses currently being offered on this campus?    Yes    No

10.