



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

**Revised Course Request: Unique Course  
(Substantive Modification)**

SDSU <b>Institution</b>	Gemechis Djira <b>Form Initiator</b> Jerome J Lohr College of Engineering / Mathematics and Statistics	Suzette Burckhard <b>Dean's Approval Signature</b>	3/12/2025 <b>Date</b>
SDSU <b>Institution</b>	<b>Division/Department</b>	Dennis D. Hedge <b>Institutional Approval Signature</b>	4/16/2025 <b>Date</b>

**Section 1. Existing Course Title and Description**

<b>Prefix &amp; No.</b>	<b>Course Title</b>	<b>Credits</b>
STAT 687	Regression Analysis II	3

**Course Description**

Advanced regression methodology, logistic regression, poisson regression, correlation analysis, generalized linear models, and introduction to longitudinal analysis.

**Section 2. Modification(s) Requested**

**2.1. This modification will include:**

**A change in description/subject matter content (enter revised description below).**

This course is an introduction to the concepts, theory, and methods for Linear and Generalized Linear Models. The main objective for this course is to study the theory underlying LM and GLM. This includes, but not restricted to, parameter estimations and interpretations, predictions, and inference.

**Effective term of the change:** Fall 2025

**2.2. Add justification for all changes noted above:**

The existing description is very brief and fails to capture the scope and depth of the content being taught in the course.

**Section 3. Other Course Information**

**3.1. 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 database?**  Yes  No

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

<input type="checkbox"/> <b>Change in University Department</b>	<u>Mathematics and Statistics</u>	to	<u>No change</u>
<input type="checkbox"/> <b>Change in Banner Department Code</b>	<u>SMAS</u>	to	<u>No change</u>
<input type="checkbox"/> <b>Change in <u>CIP Code</u></b>	<u>27.0501</u>	to	<u>No change</u>