SOUTH DAKOTA BOARD OF REGENTS
Revised Course Request: Unique Course

This form is to be used to request a substantive change in a unique course.

SDSU  Arts and Sciences / Geography
Institution  Division/Department

Laurie Stenberg Nichols  12/8/14
Institutional Approval Signature  Date

George White  Kathleen Donovan  10/8/14
Form Initiator  Dean’s Approval Signature  Date

Section 1. Current Course Title and Description
Prefix & No.  Course Title  Credits
GEOG 473  GIS: Data Creation and Integration  3

Course Description as it currently appears in the system course database:
This course introduces advanced tools and techniques of data creation, data integration, mapping, and spatial analysis in Geographic Information Systems (GIS). It provides basic approaches for solving problems of data integration including format identification, conversion, and spatial registration. Building on the skills and techniques learned in the introductory GIS course or equivalent, it gives a conceptual base to many methods and techniques associated with vector and raster-based spatial analysis including imagery. It provides an examination of the functions and capabilities of ArcGIS Desktop GIS software (including extensions).

Section 2. Modification(s) Requested
1. This modification will include (check all that apply):
   A change in instructional method
      Currently: A- Studio Course/Small Group Instruction
      Revised: R - Lecture

   X Course co-requisite(s) from: None to GEOG 473L

2. Provide a justification for all of the changes noted.
   This is a course in geographical techniques and has a structure like our other courses in geographical techniques (e.g., cartography and remote sensing). This request is to update the instructional method to R – Lecture. The GIS course instruction takes place in a traditional classroom setting with oral presentations vs. one-on-one student/instructor interaction.

Section 3. To be Completed by Academic Affairs
Change in University Dept Code
Current: S GEOG  to  New: No Change

Change in CIP Code
Current: 45.0701  to  New: No Change