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.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Division/Department</th>
<th>Course Title and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDSU</td>
<td>Arts and Sciences / Geography</td>
<td>GEOG 574 GIS: Vector and Raster Modeling 3</td>
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Course Description as it currently appears in the system course database:
This course introduces basic concepts of vector and raster modeling in Geographic Information Systems (GIS) with special emphasis is on construction and use of raster digital elevation models (DEMs). Provides in-depth experience with a range of geoprocessing techniques for handling and analyzing GIS data. Topics include vector processing in a model framework, weighted suitability modeling, path finding, modeling viewsheds, constructing surfaces from point samples, and spatial hydrologic modeling. Builds on the skills and techniques learned in the introductory GIS course or equivalent.

Section 1. Current Course Title and Description
Prefix & No. Course Title Credits
GEOG 574 GIS: Vector and Raster Modeling 3

Section 2. Modification(s) Requested
1. This modification will include (check all that apply):
   X A change in instructional method

   Current A- Studio Course/ Small Group Instruction
   Revised R - Lecture

   X Course corequisite(s) from: None to GEOG 574L

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
<table>
<thead>
<tr>
<th>Change in University Dept Code</th>
<th>Current</th>
<th>New</th>
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</thead>
<tbody>
<tr>
<td>Change in CIP Code</td>
<td>SGEOG</td>
<td>No Change</td>
</tr>
<tr>
<td></td>
<td>45.0701</td>
<td>No Change</td>
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