



SACRAMENTO STATE

Program Proposal Form B



Academic Group (College): Natural Sciences and Mathematics	Date of Submission to College Dean: 9-14-09
Academic Organization (Department): Geography	Requested Effective: Fall __, Spring <u>X</u> , 2009.
Department Chair: Robin Datel, 8-5320	Contact if not Department Chair:
Title of the Program (Please be specific; indicate minor, undergraduate or graduate degree, etc.): Concentrations within the Geography B. A.	
Type of Program Proposal: <input checked="" type="checkbox"/> Modification in Existing Program: <input type="checkbox"/> Substantive Change <input checked="" type="checkbox"/> Non-Substantive Change <input type="checkbox"/> Deletion of Existing Program <input type="checkbox"/> New Programs <input type="checkbox"/> Initiation (Projection) of New Program on to Master Plan <input type="checkbox"/> New Degree Programs <input type="checkbox"/> Regular Process <input type="checkbox"/> Fast Track Process <input type="checkbox"/> Pilot Process <input type="checkbox"/> New Minor, Concentration, Option, Specialization, Emphasis <input type="checkbox"/> New Certificate Program	
PLEASE NOTE: Form B is to be used only as a Cover Form. Additional information is requested for each of the above as noted in the corresponding procedure in the Policies and Procedures for Initiation, Modification, Review and Approval of Courses and Academic Programs found at http://www.csus.edu/manual/acad.htm	
<p>We propose to make changes to the four concentrations within the Geography Major. By definition, such changes are classified as modifications to an existing program. Our current concentrations are General Geography; Cartography, GIS and Planning; Human Geography; and Physical Geography. We propose to make small changes to the Human Geography and Physical Geography concentrations; to separate the existing Cartography, GIS and Planning concentration into a GIS & Analysis concentration and a Metropolitan Area Planning concentration; and to delete the General Geography concentration. No other changes to the major and no changes to courses are proposed. We do not anticipate that restructuring the concentrations will result in significant changes in our schedule of courses. No other departments are impacted by our proposed restructuring of the concentrations, which involve geography courses only.</p>	
Approvals: Department Chair: <u>Robin Datel</u> Date: <u>9-14-09</u> College Dean: <u>Laurel Heffernan</u> Date: <u>9/17/09</u> University Committee: _____ Date: _____ Associate Vice President and Dean for Academic Affairs: _____ Date: _____	

Summaries of and justifications for proposed changes to Geography Concentrations

4-17-09; notes regarding catalog copy added 9-14-09

1. Deletion of the General Geography concentration. This concentration is chosen by few majors. Its course pattern (2 technique, 1 human, 1 physical, 1 regional) is not very different from that (1 technique, 2 human, 2 regional) of the relatively new Human Geography concentration. Increasingly, we find that nearly all students want some measure of specialization within what is a broad discipline.

2. Small changes to the Human Geography concentration. All that is proposed here is to add GEOG 161, California's Water Resources, to the list of human geography courses from which students can pick for this concentration (161's content is a mix of human and physical geography) and to omit GEOG 193C, Field Geography: Physical from the list of techniques courses. We wish to direct students interested in field study in this concentration to our field courses with more human geography content: GEOG 193A, Field Geography: Urban-Metropolitan and GEOG 193B, Field Geography: Suburban-Rural.

3. Small changes to the Physical Geography concentration. (1) We propose removing GEOG 113, Climate, from this concentration. Students in the physical concentration are usually intellectually beyond much of the material in this course from having taken other climate-related courses. The curriculum of the Climate class overlaps with that of GEOG 111, Meteorology, and to a lesser extent with that of GEOG 116, Global Climate Change. The course would remain an option in the Geography B. A. core requirements for physical geography. (2) We propose moving GEOG 193C, Field Course: Physical, into the group of courses students would take to meet the requirement of 4 additional physical geography courses, replacing GEOG 113 in that group. While the course does teach techniques, it is a better fit with the content-based lecture courses. (3) We propose removing the other field courses, which emphasize human geography, from the physical concentration. Students in the physical concentration could still use one of them to meet their technique course requirement in the core.

4. Significant changes to the Cartography, GIS and Planning concentration, splitting it into two separate concentrations. Well over half our majors choose this concentration. Many of them choose it because they want to maximize their acquisition of technical skills, but some choose it because of the word "planning" in its title. Of our human geography courses with planning content, only GEOG 148, Urban and Regional Planning, currently is listed among the courses that students can take to complete this concentration (although it was an oversight that GEOG 149 was not listed). Rather than just add our other relevant lecture courses to the mix, we decided to propose further specialization within the major by creating separate GIS (Geographic Information Systems) and Analysis and Metropolitan Area Planning concentrations. There is a dearth of planning-related

degree programs in our region, and we judge that demand exists for a concentration within our program that gives more emphasis to this aspect of geography. At the same time, we are proposing to add a little more structure to the techniques concentration by grouping our courses into "Data Analysis" and "Data Output" categories and ensuring that students take at least one course in each category. Also, we propose that students can earn credits toward this concentration through special projects, with the approval of a faculty supervisor and the department chair (as is required for all GEOG 199s).

Notes regarding catalog copy:

1. Be sure to retain the subhead in the catalog before the concentrations that reads:

Additional Requirements for Concentrations

Note: Courses cannot double count for the core and the concentration.

2. There is currently a mistake in the catalog with respect to the number of units required to complete the geography major. It says 45, but should say 46-47. The change in number of units required took place during a previous program revision and is not the result of this round of proposed changes to our concentrations.

3. GEOG 127, Geography of Africa, also needs to be restored to the catalog's list of courses that fall into the regional category; it seems to have disappeared from that list back in the 2004-06 catalog and was never restored. We have been teaching the course and using it to fulfill the regional requirement for the core and relevant concentrations all along.

NEW PROGRAM

We are proposing to delete the General Geography Concentration.

OLD PROGRAM

General Geography Concentration

Students must take **TWO** of the following - GEOG 105, GEOG 107, GEOG 109, GEOG 110, GEOG 163, GEOG 181, GEOG 182 - plus one additional course from each of the human, physical and regional course listings.

Students must take **ONE** of the following human geography courses in addition to the one chosen for their core: GEOG 141, GEOG 145, GEOG 147, GEOG 163.

Students must take **ONE** of the following physical geography courses in addition to the one chosen for their core: GEOG 111, GEOG 113, GEOG 115, GEOG 117, GEOG 161.

Students must take **ONE** of the following regional geography courses in addition to the one taken for their core: GEOG 121, GEOG 122B, GEOG 125, GEOG 128, GEOG 131.

NEW PROGRAM

Human Geography Concentration Students must take:

TWO additional human geography courses from this list:

- GEOG 141 Geography of Economic Activity
- GEOG 145 Population Geography
- GEOG 147 Urban Geography
- GEOG 148 Urban & Regional Planning
- GEOG 149 Transportation Geography
- GEOG 161 California's Water Resources
- GEOG 163 Applied GIS

TWO additional regional geography courses from this list:

- GEOG 121 United States & Canada
- GEOG 122B South America
- GEOG 125 Geography of East Asia
- GEOG 127 Geography of Africa
- GEOG 128 Geography of Europe
- GEOG 131 California

ONE additional technique course from this list:

- GEOG 105 Computer Cartography
- GEOG 107 Remote Sensing
- GEOG 109 GIS
- GEOG 110 Advanced GIS
- GEOG 163 Applied GIS
- GEOG 181 Spatial Analysis
- GEOG 182 Internet GIS
- GEOG 193A Field Geography: Urban-Metropolitan*
- GEOG 193B Field Geography: Suburban-Rural*

*The technique cannot be a field course if a field course was taken for the core.

OLD PROGRAM

Human Geography Concentration

Students must take **TWO** additional courses from the human geography course listings - GEOG 141, GEOG 145, GEOG 147, GEOG 148, GEOG 149, and GEOG 163, - **TWO** additional courses from the regional course listings - GEOG 121, GEOG 122B, GEOG 125, GEOG 127, GEOG 128 and GEOG 131, and **ONE** additional technique course from among the following: - GEOG 105, GEOG 107, GEOG 109, GEOG 110, GEOG 163, GEOG 181, GEOG 182, and the GEOG 193 series. The technique cannot be a field course (GEOG 193A, GEOG 193B, GEOG 193C) if a field course was taken for the core.

NEW PROGRAM

Physical Geography Concentration Students must take:

FOUR additional physical geography courses from this list:

<u>GEOG 111</u>	Elements of Meteorology
<u>GEOG 115</u>	Geography of Plants and Animals
<u>GEOG 116</u>	Global Climate Change
<u>GEOG 117</u>	Landforms
<u>GEOG 161</u>	California's Water Resources
<u>GEOG 193C</u>	Field Geography: Physical

GEOG 113 can be used to meet the physical geography breadth requirement in the core, but cannot be used in the concentration.

ONE additional technique course from this list:

<u>GEOG 105</u>	Computer Cartography
<u>GEOG 107</u>	Remote Sensing
<u>GEOG 109</u>	GIS
<u>GEOG 110</u>	Advanced GIS
<u>GEOG 163</u>	Applied GIS
<u>GEOG 181</u>	Spatial Analysis
<u>GEOG 182</u>	Internet GIS

OLD PROGRAM

Physical Geography Concentration

Students must take **FOUR** of the following - GEOG 111, GEOG 113, GEOG 115, GEOG 116, GEOG 117, GEOG 161 - plus **ONE** additional technique course chosen from the following - GEOG 105, GEOG 107, GEOG 109, GEOG 110, GEOG 163, GEOG 181, GEOG 182 and the GEOG 193 series. The technique cannot be a field course (GEOG 193A, GEOG 193B, GEOG 193C) if a field course was taken for the core.

NEW PROGRAM

Geographic Information Systems and Analysis Concentration

Students must take GEOG 109 GIS for the concentration.

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In addition, students must take at least **FOUR** of the following courses, with at least one each from the Data Analysis and Data Output categories.

Data Analysis:

GEOG 107 Remote Sensing

GEOG 110 Advanced GIS

GEOG 181 Spatial Analysis

Data Output:

GEOG 105 Computer Cartography

GEOG 163 Applied GIS

GEOG 182 Internet GIS

GEOG 199 Special Problems (with permission)

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It is recommended that students take GEOG 193A, GEOG 193B, or GEOG 193C to satisfy their Geographic Techniques core area requirement.

OLD PROGRAM

Cartography, Geographic Information Systems and Planning Concentration

Students must take **FIVE** of the following - GEOG 105, GEOG 107, GEOG 109, GEOG 110, GEOG 148, GEOG 163, GEOG 181, GEOG 182 and the GEOG 193 series. Only one of these may be a field course (GEOG 193 series).

NEW PROGRAM

**Metropolitan Area Planning Concentration
Students must take:**

GEOG 148 Urban and Regional Planning
GEOG 109 GIS

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TWO of the following urban elective courses,
one of which must be GEOG 147 or GEOG
149:

GEOG 141 Geography of Economic Activity,
GEOG 145 Population Geography
GEOG 147 Urban Geography
GEOG 149 Transportation Geography

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ONE of the following technique elective
courses:

GEOG 105 Computer Cartography
GEOG 107 Remote Sensing,
GEOG 110 Advanced GIS,
GEOG 163 Applied GIS,
GEOG 181 Spatial Analysis,
GEOG 193A Field Geography: Urban-
Metropolitan
GEOG 193B Field Geography: Suburban-Rural.

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Additional Recommended Courses

The courses below provide valuable additional
knowledge and perspectives for students
choosing the MAP concentration:

ECON 132 State and Local Government
Finance
ECON 180 Urban Economics
ENVS 122 Environmental Impact Analysis:
CEQA and NEPA
GEOG 131 California
GEOG 161 California's Water Resources
HIST 163 The City in U.S. History [GE Area D2]
HIST 184/ART 118B California Architecture and
Urban History
RELU 140 Real Estate Development
RELU 145 Land Use Regulatory Environment
RPTA 154 Design in Recreation, Parks and
Tourism Facilities

OLD PROGRAM

**Cartography, Geographic Information
Systems and Planning Concentration**

Students must take **FIVE** of the
following - GEOG 105, GEOG 107,
GEOG 109, GEOG 110, GEOG 148,
GEOG 163, GEOG 181, GEOG 182 and
the GEOG 193 series. Only one of these
may be a field course (GEOG 193
series).