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MEMORANDUM

ATTENTION	Senate	DATE	May 3, 2013
FROM	Gordon Myers, Chair	PAGES	1/1
	Senate Committee on		
	Undergraduate Studies		
RE:	Faculty of Environment (SCUS 13-23)		

For information:

Acting under delegated authority at its meeting of May 2, 2013, SCUS approved the following curriculum revisions effective Spring 2014:

1. Department of Archaeology (SCUS 13-23a)

(i) Requirement changes to the Archaeology Major Program

2. Department of Geography (SCUS 13-23b)

(i) Changes to the Upper Division requirements for the

- Geography Major Program
- Geography Honours Program
- Geography – Environmental Specialty Major Program
- Geography – Environmental Specialty Honours Program
- Physical Geography Major Program
- Physical Geography Honours Program
- Physical Geography Minor Program

(ii) Prerequisite change to GEOG 253, 363, 453



FACULTY OF ENVIRONMENT

MEMO

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ATTENTION Gordon Myers, Chair, SCUS

FROM Alex Clapp, Associate Dean (Undergraduate),

RE Faculty of Environment SCUS Package

DATE April 23, 2013

The following were approved by the Faculty of Environment Undergraduate Curriculum Committee on April 2nd 2013 and are being forwarded to SCUS for approval and recommendation to Senate.

Archaeology Submission

- Program/Calendar Change

Geography Submission

- GEOG 453 change from W to non-W course (for information)
- Geography Major Program Course Addition
- Geography Honours Program Course Addition
- Geography Environmental Specialty Major Program Course Addition
- Geography Environmental Specialty Honours Program Course Addition
- Physical Geography Major Program Course Addition
- Physical Geography Honours Program Course Addition
- Physical Geography Minor Program Course Addition
- Business and Geography Joint Major Program Requirement Change
- GEOG 253-3 Course Prerequisite Change
- GEOG 363-4 Course Prerequisite Change
- GEOG 453W-4 Course Prerequisite Change

Please place these proposed changes on the agenda of the next meeting of SCUS.

Thanks,



SIMON FRASER UNIVERSITY
ENGAGING THE WORLD

DEPARTMENT OF ARCHAEOLOGY
MEMORANDUM

To: Alex Clapp, Chair, Faculty of Environment Curriculum Committee
From: Bob Muir, Chair, Undergraduate Curriculum Committee, Archaeology
Re: Dept. of Archaeology Undergraduate Curriculum Item for Review and Approval
Date: March 22, 2013

At a recent (March 21, 2013) meeting of the Archaeology Department Undergraduate Executive Committee the following Program/Calendar change (attached) was proposed, discussed, and approved.

Explanation: In FASS there is requirement that students complete 45 upper division units as part of any Major program. When we moved from FASS to FENV this requirement was inadvertently omitted from our calendar regulations.

Sincerely,

Bob Muir
Senior Lecturer
Chair, Undergraduate Curriculum Committee
Department of Archaeology

Proposed Calendar Change (new text is underlined):

TO:

Archaeology Major Program

*Department of Archaeology | Faculty of Environment
Simon Fraser University Calendar*

Students must complete 120 units including 45 upper division units.

Students should consult with the department's undergraduate advisor when formally declaring an archaeology major.



DEPARTMENT OF GEOGRAPHY

MEMORANDUM

**Department of Geography
Simon Fraser University**

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TO:	Dr. Alex Clapp Associate Dean FE / Chair FE Curriculum Committee
FROM:	Ivor Winton, Chair USCC, Geography
SUBJECT:	UNDERGRADUATE CURRICULUM CHANGES FALL 2013 CALENDAR
DATE:	March 22, 2013

Enclosed please find the proposed changes for Geography in the Fall 2013 Calendar as approved by our Undergraduate Studies Curriculum Committee and by the Department of Geography at the general department meeting of March 7th, 2013. Please bring the proposed changes to the Faculty of Environment Curriculum Committee for approval.

Program Requirements - Course Addition(s) to:

Geography Major Program
Geography Honours Program
Geography Environmental Specialty Major Program
Geography Environmental Specialty Honours Program
Physical Geography Major Program
Physical Geography Honours Program
Physical Geography Minor Program

***NOTE:** Since all the above changes involve course additions – no deletions, no revisions to the current calendar text – I have not included the current calendar text. Put differently, there is no separate ‘From’ text, only a ‘To’ text. The text submitted is the current calendar text [Summer 2013] unchanged save for the highlighted course additions. This step taken in the interests of brevity and with the provisional blessing of Jo Hinchliffe.*

Program Requirements Changes – Change in Unit distribution

Business and Geography Joint Major Program

Course Prerequisite Changes to:

GEOG 253-3 Introduction to Remote Sensing
GEOG 363-4 Urban Planning and Policy
GEOG 453W-4 Theoretical and Applied Remote Sensing

TO:

Geography Major Program

Program Requirements

Upper Division Requirements

Students complete 32 units of 300 and 400 division courses in geography within one of the following two concentrations.

Society and Environment Concentration

Students choosing this concentration complete two of

- GEOG 325 Geographies of Consumption (4)
- GEOG 362 Geography of Urban Built Environments (4)
- GEOG 363 Urban Planning and Policy (4)
- GEOG 377 Environmental History (4)
- GEOG 381 Political Geography (4)
- GEOG 382 Population Geography (4)
- GEOG 386 Health Geography (4)
- GEOG 387 Geography and Gender (4)

and one of

- GEOG 311 Hydrology (4)
- GEOG 312 Geography of Natural Hazards (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- GEOG 318 Soils in Our Environment (4)
- [GEOG 319 Landscape Ecology \(4\)](#)

and any three other courses from the [full list of 300 level geography courses](#)

and one of

- GEOG 420 Cultural Geography (4)
- GEOG 432 Problems in Environmental History (4)
- GEOG 440 Law and Geography (4)

- GEOG 441 Cities, Space, and Politics (4)
- **GEOG 442 A World of Cities (4)**
- GEOG 449 Environmental Processes and Urban Development (4)
- GEOG 486 Health Care Geographies (4)

and any one other course from the [full list of 400 level geography courses](#)

and any additional courses, in geography and across the University, to complete the required total of 45 upper division units.

Resources, Economy, and Environment Concentration

Students choosing this concentration complete two of

- **GEOG 321 Geographies of Global Capitalism (4)**
- GEOG 322 World Resources (4)
- GEOG 323 Industrial Location (4)
- GEOG 324 Geography of Transportation (4)
- GEOG 327 Geography of Tourism (4)
- GEOG 383 Regional Development and Planning I (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 389W Nature and Society (4)

and one of

- GEOG 311 Hydrology (4)
- GEOG 312 Geography of Natural Hazards (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- GEOG 318 Soils in Our Environment (4)
- **GEOG 319 Landscape Ecology (4)**

and any three other courses from the [full list of 300 level geography courses](#)

and one of

- **GEOG 421 Geographical Political Economy (4)**
- GEOG 422 Theories and Practices of Development (4)
- **GEOG 424 Cities, Transportation, Infrastructure (4)**
- GEOG 426 Industrial Change and Local Development (4)
- GEOG 427 Selected Topics in the Geography of Tourism (4)
- GEOG 428 World Forests (4)
- GEOG 445 Resource Planning (4)
- GEOG 468 Society and Environment in China (4)

and any one other course from the full list of 400 level geography courses

and any additional courses, in geography and across the University, to complete the required total of 45 upper division units.

Rationale:

Addition of five new courses [319, 321, 421, 424, 442] to the roster of upper division choices.

TO:

Geography Honours Program

Program Requirements

Upper Division Requirements

Students complete 50 units of 300 and 400 division courses in geography within one of the following two concentrations.

Society and Environment Concentration

Students choosing this concentration complete one of

- GEOG 300 Possible Worlds: The Rise of Geographical Thinking (4)
- GEOG 301 Geographic Ideas and Methodology (4)

and two of

- GEOG 325 Geographies of Consumption (4)
- GEOG 362 Geography of Urban Built Environments (4)
- GEOG 363 Urban Planning and Policy (4)
- GEOG 377 Environmental History (4)
- GEOG 381 Political Geography (4)
- GEOG 382 Population Geography (4)
- GEOG 386 Health Geography (4)
- GEOG 387 Geography and Gender (4)

and one of

- GEOG 311 Hydrology (4)
- GEOG 312 Geography of Natural Hazards (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- GEOG 318 Soils in Our Environment (4)
- [GEOG 319 Landscape Ecology \(4\)](#)

and any three other courses from the [full list of 300 level geography courses](#)

and one of

- GEOG 420 Cultural Geography (4)
- GEOG 432 Problems in Environmental History (4)
- GEOG 440 Law and Geography (4)
- GEOG 441 Cities, Space, and Politics (4)
- **GEOG 442 A World of Cities (4)**
- GEOG 449 Environmental Processes and Urban Development (4)
- GEOG 486 Health Care Geographies (4)

and

- GEOG 491 honours Essay (4)

and any one other course from the [full list of 400 level geography courses](#)

and any further courses to achieve 50 upper division units in geography.

Resources, Economy, and Environment Concentration

Students choosing this concentration complete one of

- GEOG 300 Possible Worlds: The Rise of Geographical Thinking (4)
- GEOG 301 Geographic Ideas and Methodology (4)

and two of

- **GEOG 321 Geographies of Global Capitalism (4)**
- GEOG 322 World Resources (4)
- GEOG 323 Industrial Location (4)
- GEOG 324 Geography of Transportation (4)
- GEOG 327 Geography of Tourism (4)
- GEOG 383 Regional Development and Planning I (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 389W Nature and Society (4)

and one of

- GEOG 311 Hydrology (4)
- GEOG 312 Geography of Natural Hazards (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- GEOG 318 Soils in Our Environment (4)
- **GEOG 319 Landscape Ecology (4)**

and any three other courses from the full list of 300 level geography courses

and one of

- **GEOG 421 Geographical Political Economy (4)**
- GEOG 422 Theories and Practices of Development (4)
- **GEOG 424 Cities, Transportation, Infrastructure (4)**
- GEOG 426 Industrial Change and Local Development (4)
- GEOG 427 Selected Topics in the Geography of Tourism (4)
- GEOG 428 World Forests (4)
- GEOG 445 Resource Planning (4)
- GEOG 468 Society and Environment in China (4)

and

- GEOG 491 honours Essay (4)

and any one other course from the full list of 400 level geography courses

and any further courses to achieve 50 upper division units in geography.

Rationale:

Addition of five new courses [319, 321, 421, 424, 442] to the roster of upper division choices.

TO:

Geography — Environmental Specialty Major Program

Program Requirements

Upper Division Requirements

Students complete a minimum total of 32 upper division units, including four of the following core courses

- GEOG 322 World Resources (4)
- GEOG 377 Environmental History (4)
- GEOG 382 Population Geography (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 389W Nature and Society (4)
- REM 311 Applied Ecology and Sustainable Environments (3)
- REM 356 Institutional Arrangements for Sustainable Environmental Management (3)

and one of

- GEOG 311 Hydrology (4)
- GEOG 312 Geography of Natural Hazards (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- GEOG 318 Soils in Our Environment (4)
- **GEOG 319 Landscape Ecology (4)**

and one of

- GEOG 351 Multimedia Cartography (4)
- GEOG 352 Spatial Analysis (4)
- GEOG 353 Advanced Remote Sensing (4)
- GEOG 355 Geographical Information Science II (4)
- GEOG 356 3D Geovisualization (4)

and two of

- GEOG 426 Industrial Change and Local Development (4)

- GEOG 428 World Forests (4)
- GEOG 432 Problems in Environmental History (4)
- GEOG 445 Resource Planning (4)
- GEOG 449 Environmental Processes and Urban Development (4)
- GEOG 468 Society and Environment in China (4)
- REM 445 Environmental Risk Assessment (3)
- REM 471 Forest Ecosystem Management (3)

and additional upper division (300 and 400 division) units in geography to total the required 32 units minimum.

RATIONALE:

Addition of new course [319] to the roster of upper division Physical Geography options.

TO:

Geography — Environmental Specialty Honours Program

Program Requirements

Upper Division Requirements

Students complete a minimum total of 60 upper division units, including four of the following core courses

- GEOG 322 World Resources (4)
- GEOG 377 Environmental History (4)
- GEOG 382 Population Geography (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 389W Nature and Society (4)
- REM 311 Applied Ecology and Sustainable Environments (3)
- REM 356 Institutional Arrangements for Sustainable Environmental Management (3)

and one of

- GEOG 300 Possible Worlds: The Rise of Geographical Thinking (4)
- GEOG 301 Geographic Ideas and Methodology (4)

and one of

- GEOG 311 Hydrology (4)
- GEOG 312 Geography of Natural Hazards (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- GEOG 318 Soils in Our Environment (4)
- **GEOG 319 Landscape Ecology (4)**

and one of

- GEOG 351 Multimedia Cartography (4)
- GEOG 352 Spatial Analysis (4)
- GEOG 353 Advanced Remote Sensing (4)
- GEOG 355 Geographical Information Science II (4)

- GEOG 356 3D Geovisualization (4)

and two of

- GEOG 426 Industrial Change and Local Development (4)
- GEOG 428 World Forests (4)
- GEOG 432 Problems in Environmental History (4)
- GEOG 445 Resource Planning (4)
- GEOG 449 Environmental Processes and Urban Development (4)
- GEOG 468 Society and Environment in China (4)
- REM 445 Environmental Risk Assessment (3)
- REM 471 Forest Ecosystem Management (3)

and

- GEOG 491 honours Essay (4)

and any additional 300 or 400 level geography units to total 50 upper division units.

RATIONALE:

Addition of new course [319] to the roster of upper division Physical Geography options.

TO:

Physical Geography Major Program

Program Requirements . . .

Upper Division Requirements

Biogeophysical Science Stream

Students who choose this stream will complete a minimum total of 44 units, including three of

- GEOG 310 Physical Geography Field Course (4)
- GEOG 311 Hydrology (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- **GEOG 319 Landscape Ecology (4)**

and one of

- **GEOG 321 Geographies of Global Capitalism (4)**
- GEOG 322 World Resources (4)
- GEOG 323 Industrial Location (4)
- GEOG 324 Geography of Transportation (4)
- GEOG 325 Geographies of Consumption (4)
- GEOG 327 Geography of Tourism (4)
- GEOG 362 Geography of Urban Built Environments (4)
- **GEOG 363 Urban Planning and Policy (4)**
- GEOG 381 Political Geography (4)
- GEOG 382 Population Geography (4)
- GEOG 383 Regional Development and Planning I (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 386 Health Geography (4)
- GEOG 387 Geography and Gender (4)
- GEOG 389W Nature and Society (4)

and one of

- GEOG 351 Multimedia Cartography (4)

- GEOG 352 Spatial Analysis (4)
- GEOG 353 Advanced Remote Sensing (4)
- GEOG 355 Geographical Information Science II (4)
- GEOG 356 3D Geovisualization (4)

and two of

- GEOG 411 Advanced Hydrology (4)
- GEOG 412W Glacial Processes and Environments (4)
- GEOG 413 Advanced River Geomorphology (4)
- GEOG 414 Advanced Climatology (4)
- GEOG 415 Advanced Biogeography (4)
- GEOG 417W Advanced Soil Science (4)

and a minimum of 16 upper division units from BISC, CHEM, CMPT, EASC, EVSC, GEOG, MACM, MASC, MATH, MBB, PHYS or STAT courses. At least eight of these must be GEOG units.

Geoscience Stream

Note: no changes are proposed for the Geoscience stream at this time. This stream must meet the professional accreditation requirements of APEGBC (Association of Professional Engineers and Geoscientists of British Columbia). Since those requirements have just changed, the Geoscience stream will be revisited as a whole rather than in piecemeal fashion.

Physical Geography and Spatial Information Science Stream

Students who choose this stream will complete a minimum total of 44 units, including three of

- GEOG 310 Physical Geography Field Course (4)
- GEOG 311 Hydrology (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- **GEOG 319 Landscape Ecology (4)**

and one of

- **GEOG 321 Geographies of Global Capitalism (4)**
- GEOG 322 World Resources (4)
- GEOG 323 Industrial Location (4)
- GEOG 324 Geography of Transportation (4)
- GEOG 325 Geographies of Consumption (4)

- GEOG 327 Geography of Tourism (4)
- GEOG 362 Geography of Urban Built Environments (4)
- **GEOG 363 Urban Planning and Policy (4)**
- GEOG 381 Political Geography (4)
- GEOG 382 Population Geography (4)
- GEOG 383 Regional Development and Planning I (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 386 Health Geography (4)
- GEOG 387 Geography and Gender (4)
- GEOG 389W Nature and Society (4)

and three of

- GEOG 351 Multimedia Cartography (4)
- GEOG 352 Spatial Analysis (4)
- GEOG 353 Advanced Remote Sensing (4)
- GEOG 355 Geographical Information Science II (4)
- GEOG 356 3D Geovisualization (4)

and two of

- GEOG 411 Advanced Hydrology (4)
- GEOG 412W Glacial Processes and Environments (4)
- GEOG 413 Advanced River Geomorphology (4)
- GEOG 414 Advanced Climatology (4)
- GEOG 415 Advanced Biogeography (4)
- GEOG 417W Advanced Soil Science (4)

and two of

- GEOG 451 Spatial Modeling (4)
- GEOG 453W Theoretical and Applied Remote Sensing (4)
- GEOG 455 Theoretical and Applied GIS (4)
- GEOG 457 Geovisualization Interfaces (4)

Rationale:

Addition of two new courses [319, 321] to the roster of upper division choices and one course wrongly omitted in the past [363].

TO:

Physical Geography Honours Program

Program Requirements . . .

Upper Division Requirements

The program requires a minimum of 60 units of upper division courses, . . .

Biogeophysical Science Stream

Students who choose this stream will complete a minimum total of 44 units, including three of

- GEOG 310 Physical Geography Field Course (4)
- GEOG 311 Hydrology (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- **GEOG 319 Landscape Ecology (4)**

and one of

- **GEOG 321 Geographies of Global Capitalism (4)**
- GEOG 322 World Resources (4)
- GEOG 323 Industrial Location (4)
- GEOG 324 Geography of Transportation (4)
- GEOG 325 Geographies of Consumption (4)
- GEOG 327 Geography of Tourism (4)
- GEOG 362 Geography of Urban Built Environments (4)
- **GEOG 363 Urban Planning and Policy (4)**
- GEOG 381 Political Geography (4)
- GEOG 382 Population Geography (4)
- GEOG 383 Regional Development and Planning I (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 386 Health Geography (4)
- GEOG 387 Geography and Gender (4)
- GEOG 389W Nature and Society (4)

and one of

- GEOG 351 Multimedia Cartography (4)
- GEOG 352 Spatial Analysis (4)
- GEOG 353 Advanced Remote Sensing (4)
- GEOG 355 Geographical Information Science II (4)
- GEOG 356 3D Geovisualization (4)

and two of

- GEOG 411 Advanced Hydrology (4)
- GEOG 412W Glacial Processes and Environments (4)
- GEOG 413 Advanced River Geomorphology (4)
- GEOG 414 Advanced Climatology (4)
- GEOG 415 Advanced Biogeography (4)
- GEOG 417W Advanced Soil Science (4)

and a minimum of 16 upper division units from BISC, CHEM, CMPT, EASC, EVSC, GEOG, MACM, MASC, MATH, MBB, PHYS or STAT courses. At least eight of these must be GEOG courses.

Geoscience Stream

Note: no changes are proposed for the Geoscience stream at this time. This stream must meet the professional accreditation requirements of APEGBC (Association of Professional Engineers and Geoscientists of British Columbia). Since those requirements have just changed, the Geoscience stream will be revisited as a whole rather than in piecemeal fashion.

Physical Geography and Spatial Information Science Stream

Students who choose this stream will complete a minimum total of 44 units, including three of

- GEOG 310 Physical Geography Field Course (4)
- GEOG 311 Hydrology (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- **GEOG 319 Landscape Ecology (4)**

and one of

- **GEOG 321 Geographies of Global Capitalism (4)**
- GEOG 322 World Resources (4)

- GEOG 323 Industrial Location (4)
- GEOG 324 Geography of Transportation (4)
- GEOG 325 Geographies of Consumption (4)
- GEOG 327 Geography of Tourism (4)
- GEOG 362 Geography of Urban Built Environments (4)
- **GEOG 363 Urban Planning and Policy (4)**
- GEOG 381 Political Geography (4)
- GEOG 382 Population Geography (4)
- GEOG 383 Regional Development and Planning I (4)
- GEOG 385 Agriculture and the Environment (4)
- GEOG 386 Health Geography (4)
- GEOG 387 Geography and Gender (4)
- GEOG 389W Nature and Society (4)

and three of

- GEOG 351 Multimedia Cartography (4)
- GEOG 352 Spatial Analysis (4)
- GEOG 353 Advanced Remote Sensing (4)
- GEOG 355 Geographical Information Science II (4)
- GEOG 356 3D Geovisualization (4)

and two of

- GEOG 411 Advanced Hydrology (4)
- GEOG 412W Glacial Processes and Environments (4)
- GEOG 413 Advanced River Geomorphology (4)
- GEOG 414 Advanced Climatology (4)
- GEOG 415 Advanced Biogeography (4)
- GEOG 417W Advanced Soil Science (4)

and two of

- GEOG 451 Spatial Modeling (4)
- GEOG 453W Theoretical and Applied Remote Sensing (4)
- GEOG 455 Theoretical and Applied GIS (4)
- GEOG 457 Geovisualization Interfaces (4)

Rationale:

Addition of two new courses [319, 321] to the roster of upper division choices and one course wrongly omitted in the past [363].

TO:

Physical Geography Minor Program . . .

Upper Division Requirements

A minimum of 15 units is required, to be selected from the following, or their equivalents.

- GEOG 311 Hydrology (4)
- GEOG 313 River Geomorphology (4)
- GEOG 314 The Climate System (4)
- GEOG 315 World Ecosystems (4)
- GEOG 316 Global Biogeochemical and Water Cycles (4)
- GEOG 317 Soil Science (4)
- **GEOG 319 Landscape Ecology (4)**
- GEOG 411 Advanced Hydrology (4)
- GEOG 412W Glacial Processes and Environments (4)
- GEOG 413 Advanced River Geomorphology (4)
- GEOG 414 Advanced Climatology (4)
- GEOG 415 Advanced Biogeography (4)
- GEOG 417W Advanced Soil Science (4)

RATIONALE:

Addition of new course [319] to the roster of upper division Physical Geography options.



SENATE COMMITTEE ON
UNDERGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☐ Description ☒ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM _____ **TO** _____
Course Subject/Number GEOG 253 Course Subject/Number _____

Credits _____ Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: _____ **TO:** _____

Introduction to Remote Sensing

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: _____ **TO:** _____

DESCRIPTION

FROM: _____

DESCRIPTION

TO: _____

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses? If so, this should be **noted in the prerequisite**.

FROM: GEOG 100 AND GEOG 111

PREREQUISITE

TO: GEOG 111

LEARNING OUTCOMES**RATIONALE**

Material covered in GEOG 100 is not essential preparation for GEOG 253.

Effective term and year

Spring 2014

NOVEMBER 2012



SENATE COMMITTEE ON
UNDERGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☐ Description ☒ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM Course Subject/Number GEOG 363 TO Course Subject/Number _____

Credits _____ Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: TO:

Urban Planning and Policy

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: TO:

DESCRIPTION

FROM:

DESCRIPTION

TO:

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses? If so, this should be noted in the prerequisite.

FROM: 30 units including one of GEOG 241 or 261

PREREQUISITE

TO: 30 units, including one of GEOG 221 or 241 or 261; or enrollment in the Post Baccalaureate Diploma in Sustainable Community Development.

LEARNING OUTCOMES

RATIONALE

Adding GEOG 221 increases flexibility and matches prerequisites for companion course GEOG 362; allowing entrance to those taking the SCD diploma regularizes an ongoing practice.

Effective term and year Spring 2014

NOVEMBER 2012



SENATE COMMITTEE ON
UNDERGRADUATE STUDIES

COURSE CHANGE/DELETION

EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☐ Description ☒ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM Course Subject/Number GEOG 453 TO Course Subject/Number _____

Credits _____ Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM:

TO:

Theoretical and Applied Remote Sensing

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM:

TO:

DESCRIPTION

FROM:

DESCRIPTION

TO:

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses?
If so, this should be noted in the prerequisite.

FROM: GEOG 352 and GEOG 353

PREREQUISITE

TO: GEOG 353. Recommended: one of GEOG 351, 352, 355, or 356

LEARNING OUTCOMES

RATIONALE

GEOG 353 provides sufficient preparation for entry in GEOG 453. All other 35X courses provide valuable support.

Effective term and year

Spring 2014

NOVEMBER 2012