

FORM C - DEGREE/PROGRAM CHANGE

Date: 9/15/08

Olen P. Matthews
(Name of individual initiating curricular change form)

Professor, Chair, 277-5041
(Title, position, telephone number)

opmatt@unm.edu
(Email address)

Geography
(Department/Division/Program/Branch)

Mark Appropriate Program:
Undergraduate Degree Program
Graduate Degree Program
(For existing degree only)

CIP CODE

Assigned by
Associate Provost
for Academic Affairs

ROUTING (All Four Collated Sets)

1. Department Chairperson
2. College Curriculum Committee
3. College or School Faculty (if necessary)
4. College or School Dean/Dean of Instruction
5. Office of the Registrar—Catalog
6. Director of relevant Library
7. FS Graduate Committee (graduate courses)
8. FS Undergraduate Committee (undergraduate courses)
9. FS Curriculum Committee
10. Assoc. Provost for Academic Affairs
11. Faculty Senate
12. Board of Regents (new degree only)

* Plan for curricular process to take at least 12 months.

This form is for Geography Minor
Name of New or Existing Program
This program is or would be located in current undergraduate/graduate catalog
on page(s) 212

Mark appropriate category:	NEW	REVISION OF	DELETION	NAME CHANGE
Degree <u> </u> Type	<input type="checkbox"/> Undergraduate degree only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Major	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concentration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emphasis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Department	<input type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
Subject Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Give exact title and requirements as they should appear in the catalog. See current catalog for format within the respective college (attach additional sheets if necessary). Identify in bracket form what is being changed.

Minor Study Requirements
GEOG 101, [105L], 102 and 15 additional hours of Geography course work.

Distributed minor not available.

Reason(s) for Request (attach additional sheets if necessary).

Change required because GEOG 101 now has a co-requisite of GEOG 105L

Attach statements to address Budgetary and Faculty Load Implications and Long-range planning.

Does this change affect in a significant way, any other departmental programs/branch campuses? Yes No
If yes, have you resolved these issues with department/branch involved? (attach statement)

Proposed Effective Term: Fall, 2009
Term Year

Required Signatures:

Department Chair <u>Olen P. Matthews</u>	Date <u>Oct. 14, 2008</u>
College Curriculum Committee <u> </u>	Date <u> </u>
College or School Faculty (if necessary) <u> </u>	Date <u> </u>
College or School Dean/Dean of Instruction <u> </u>	Date <u>11/12/08</u>
Office of the Registrar—Catalog <u>Elizabeth A. Bolton</u>	Date <u>10/30/08</u>
Director of relevant Library <u> </u>	Date <u>12-1-08</u>
FS Graduate Committee (graduate courses) <u> </u>	Date <u> </u>
FS Undergraduate Committee (undergraduate courses) <u> </u>	Date <u>1/16/08</u>
FS Curriculum Committee <u> </u>	Date <u>3-5-08</u>
Assoc. Provost for Academic Affairs <u> </u>	Date <u>3/4/09</u>
Faculty Senate <u> </u>	Date <u> </u>
Board of Regents <u> </u>	Date <u> </u>

Entered Banner

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For Registrar's Office ONLY

Copies Mailed

Geography Program Revisions 2008
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 - Geog 195 – Title Change



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Geog 281L – Title Change

Geog 344 – Drop

Geog 345 – Drop

Geog 351 – Drop

Geog 356 – Drop

Geog 359 – Drop

Geog 360 – Title change; one sentence removed from description.

Geog 363 – Title Change

Geog 367 – Drop

Geog 383 – Drop

Geog 386 – Drop

Geog 402 – Drop

Geog 465/565 – Drop

Geog 470 – Drop

Geog 471 – Prerequisite Dropped

Geog 483L/583L – Change title & description

Geog 484L/587L – Change title & description

Geog 487L/587L – Change title & description

Geog 488L/588L – Change title & description

Geog 491/591- Drop one sentence from description

Geog 492/592 – Drop

Geog 493/593 – Clarification

Geog 494/594 – Drop

Geog 501 – Change title; add description

Geog 504 – Drop

Geog 512 – Drop

Geog 513 – Drop

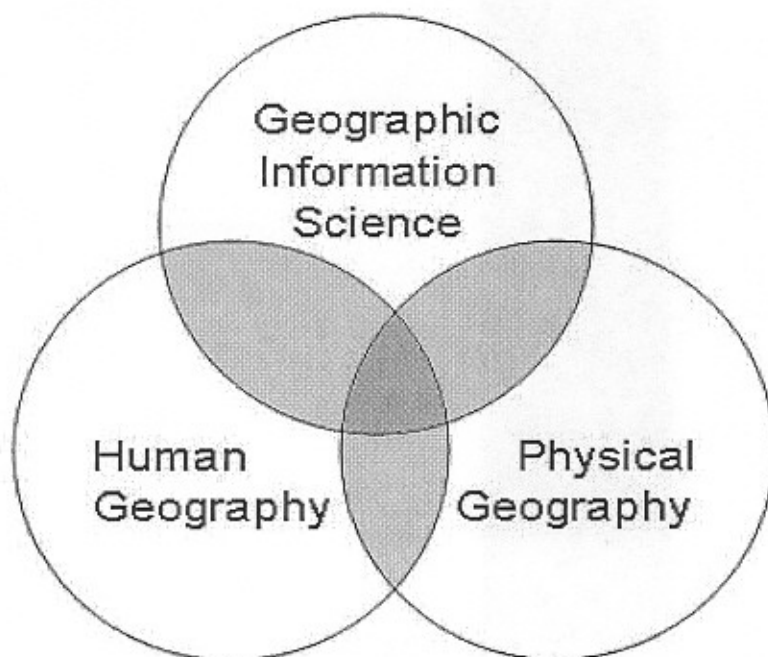
Geog 521 – Drop

Geog 522 – Drop

Geog 545 – Drop

**Explanation for Changes and Impacts
Geography Curriculum Revision
October 2008**

The Geography Department has just completed a two-year review and planning process. During the 2006-07 academic year the Department went through a process of strategic planning. Three outside consultants were brought in to advise us. This process identified a new focus for the Department. The terms used by geographers for this area of concentration are: nature and society, human/environmental interaction, and resource/environmental management. The concentration complements many of the university's disciplinary strengths.



In the past the Department had a relatively narrow focus on the physical environment, environmental modeling, and geographic information sciences. The Geography Department's new direction brings the Department into the center of the discipline at the intersection between human geography, physical geography, and geographic information science. During the 2007-08 academic year the Department developed an implementation plan and went through a formal academic program review. The implementation plan included a complete revision of graduate and undergraduate programs, an assessment plan, and many other items. The review team endorsed the proposed curriculum revisions. They strongly suggested that the Department's focus be narrowed even further to Environmental Management and Geographic Information Science. As a result of those recommendations and the planning process the Department is submitting a thorough revision of its curriculum.

Summary of Changes

The changes in the undergraduate degree programs reflect the two year planning process and suggestions made by the academic review team. The B.A. degree has minor changes since the emphasis in that degree program has been on environmental management for several years. Changes to this degree program are a result of changes to individual courses rather than a re-focusing. The BS degree has a major shift away from physical geography toward Geographic Information Science.

The MS degree has also been revised to reflect the two concentrations within the Department. The concentrations—Environmental Management and Geographic Information Technologies (should be Geographic Information Science) – were approved several years ago. This change in the MS degree requirements is an implementation of these concentrations. It is also a minor modification in the name of one concentration to Geographic Information Science. This change reflects the current preferred usage within Geography.

As for individual course changes 19 courses have been dropped, 13 new or significantly changed courses are being proposed on form B's, and 13 minor form A changes are being made (See Curriculum Revision Summary). Only 12 courses remain unchanged. Changes have been by consolidating courses (300 level physical geography and regional courses on the Southwest) and dropping courses no longer being staffed because of faculty retirements (urban geography courses).

Staffing and Work Load

The current curriculum in Geography was designed when the Department had seven faculty members. A loss of some faculty members meant that a large percentage of our classes were taught by part-time faculty. That number has decreased as the faculty has grown over the past two years. Currently, the Department has 6 tenure track faculty members and is in process of hiring a Department Chair from outside the university. This will put the Department at 6.5 FTE that are tenure track. In July of 2008 the Department lost its lecturer position. A request has been made to replace that person with a tenure track faculty member. The Course Rotation Table and the Teaching Load by Faculty Table reflect the "Replacement Faculty" or additional part-time faculty needed if replacement does not occur.

The Department's current part-time budget allows us to teach 17 courses per year. With the curriculum revisions this will be reduced to 13 courses per year (without a replacement). Three of those courses will be taught by the professional staff at the Earth Data Analysis Center (EDAC). Those courses are indicated in the table. In addition to reducing the number of part-time faculty needed the tables indicate that courses except for two (Geog 482L/582L and 485L/585L) can be offered annually. Those two courses are advance level GI Science courses for which there is a limited market. Multiple offerings will also be available for those Geography courses that are part of the core or are required by other Departments.

Additional Resources

No additional resources will be required to implement these changes. As can be seen from the tables discussed above the Department's part – time budget requests will decrease. Lab fees for the GI Science courses have been approved.

Impacts on Students

Students majoring in Geography will be better served by a curriculum that can be offered on a regular basis by a consistent group of instructors. After this year, only one or two courses annually at the 300 level or above will be offered by part-time faculty. The bulk of the courses will be offered by Geography faculty or EDAC professional staff. These are all positive benefits to students.

Curriculum Revision Summary: 10/10/08

Course	Form C	No Chg	Courses Dropped Form A	Courses Added Form B	Form A Changes	Comment
101 Physical					X	Co-requisite with 105L
102 Human		X				
105L Lab		X				101 pre and co- requisite @ present
140 World		X				
195 Hum. Mod.					X	Change title
251 Meteor		X				Offered by E&PS
281L Comp. Map.					X	Change title
302 Regional		X				Offered as needed/ transfer students
344 NM			X			Combined with 445
345 SW			X			Combined with 445
350 Physical landscape				X		Combination of 351, 356, & 359
351 Climate			X			Combined with 350
352 Gl Clim Cg		X				Offered by E&P
356 Bio.			X			Combined with 350
359 Water			X			Combined with 350
360 Land Use Mgmt					X	Minor change in title and Descrip.
363 Economic					X	Change title
365 Nature and Society				X		New Faculty
367 Urb Socio			X			Faculty Retired
381L Intro GIS		X				
383 Spat. Anal.			X			Incorp into GISc courses
386 Earth obs.			X			Faculty Retired
402 Geo Ed			X			Faculty Retired
*445 NM & SW				X		Combines 344 , 345 & 545
461/561 Env. mgmt		X				
462/562 Water Mgt		X				
463/563 Public Lands		X				
464/564 Food and Natural Resources				X		New Faculty
465 Urban.			X			Faculty Retired
470 Con of App geog			X			Not needed
471 Sem. Appl. Geog					X	Change pre-req.
480/580 Quant.				X		New Faculty

Course	Form C	No Chg	Courses Dropped Form A	Courses Added Form B	Form A Changes	Comment
Methods in Geog						
482/582L Posit Sys				X		New Faculty
483/583L RS Fund					X	Change title & Descrip
484/584L Appl. of Remote sensing					X	Change Title & Descrip
485/585L Internet Mapping				X		New Faculty
486/586L Appl. of GIS				X		
487L/587 S. A. & M.					X	Change title & Descrip
488L/588 GIS C & T					X	Change title and descrip.
491/591 Probs					X	Clarify Credit
492/592 Probs			X			Duplication
493/593 Intern					X	Clarify Credit
494/594 Intern			X			Duplication
499 Topics		X				
501 Hist. and Methods					X	Change Title/Add descrip.
502 Geog Research.				X		Advise of review team
504 Environmental Issues			X			Convert purpose to 502, Subject matter to 514
512 Phys Geog			X			Do longer Dept emphasis
513 Sem:Wat. Res.			X			Consolidate in 514
514 Natural Resources Mgmt Sem				X		New Faculty
515 Cultural and Political Ecology				X		New Faculty
521 Env Mod			X			Consolidate with 522 in 525
522 Sem RS			X			Consolidate with 521 in 525
525 Seminar in GISc				X		Combine 521 & 522
545 Sem SW			X			Consolidate with 445
581 GIS Fund.				X		Service course for Grad students
599 Thesis		X				

Course	Form C	No Change	Courses Dropped Form A	Courses Added Form B	Form A Changes	Comment
BA Degree	X					Required by course revision
BS Degree	X					Change in emphasis
MS Degree	X					Required by course revision
Minor						Conform with course revision
Total	4	12	19	13	13	

Course Rotation: 10/10/08

Course	2008F	2009S	2009F	2010S	2010F	2011S	2011F	2012S	2012F	2013S
101 Physical	DSG□	CD	□□□□	□□□□	□□□□	RH	ML	RH	□□□□	RH
101 Physical -eve	MP□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□
102 Human	KS□	DSG□	KS□	BC	KS□	BC	KS□	BC	KS□	BC
102 Human -eve	DSG□	DSG□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□	□□□□
105L Lab(TA'S)										
140 World	ML	□□□□	□□□□	□□□□	ML	□□□□	ML	□□□□	ML	□□□□
195 Hum. Mod.	BC		BC		BC		BC		BC	
281L Comp. Map.	CD		CD		CD		CD		CD	
350 Physical Landscape	-----	-----	CD		CD		RH		CD	
360 Land Use Mgmt.		KS□		KS□		KS□		KS□		KS□
363 Economic				BC		BC		BC		BC
365 Nature and Society		MB		MB			MB		MB	
381L Intro GIS	PZ	PZ	DC	DC	RH	CD	RH	CD	□□□□	CD
445 NM & SW		ML as 345		ML		ML		ML		ML
461 Env mgmt	MB		MB				MB		MB	
462 Water Mgt		MP□		OPM		MB		OPM		MB
463 Public Lands	OPM		MB			OPM		MB		OPM
464 Food and Natural Resources		CD				CD		CD		CD
471 Sem.		DMT□		OPM		OPM		OPM		OPM
480/580L Quant						PZ		PZ		PZ
482/582L Position Sys	-----	-----	KB□				KB□			
483/583L Fund RS	PN□		PN□		PN□		PN□		PN□	
484/584L Appl.RS		PN□		PN□		PN□		PN□		PN□
485/585L Internet Map & GIS	-----	-----			KB□				KB□	
486/586L Applic. Of GIS					DC		DC		DC	
487L/587 S. An. & M.	PZ		PZ		PZ		PZ		PZ	
488L/588 GIS C & T		PZ		PZ		PZ		PZ		PZ
501 Theory and methods	BC		BC		BC		BC		BC	
502 Geog Res		ML		ML		ML		ML		ML
514 Sem: Nat Resources		MB		MB		MB		MB		MB
515 Sem: Cult and Political Ecology					ML		CD		ML	
525 Sem. GI Science	-----	-----	PZ		PZ		PZ		PZ	
581L Fund. GIS				PZ		DC		DC		DC
Part time Faculty	8	9	7	6	7	5	5	5	7	5

Regular Tenure Track Faculty

□ = Part-Time Temporary Faculty

□ Part-Time Temporary from EDAC (Earth Data Analysis Center)

RH = Replacement (Rpmt) for Danielson Kisanga or Additional Part Time Faculty

Teaching Load by Faculty Member

Name	2008 F	2009S	2009F	2010S	2010F	2011S	2011F	2012S	2012F	2013S
BC	195 501	Sab	195 501	102 363	195 501	102 363	195 501	102 363	195 501	102 363
ML	140 545	345 502	Res. Sem.	445 502	140 515	445 502	101 140	445 502	140 515	445 502
MB	461	365/499 514	463 461	365 514	Res. Sem.	514 462	365 461	514 463	365 461	514 462
CD	281L	101 464	281L 350	Res Sem	281L 350	381L 464	281L 515	381L 464	281L 350	381L 464
OPM. .5 FTE	463	513		462 471		463 471		462 471		463 471
PZ	381L 487L	381L 488L	487L 525	488L 581L	487L 525	488L 480	487L 525	488L 480	487L 525	488L 480
Dept Chair	---	---	381L	381L	486L	581	486L	581L	486L	581L
Rpmt Hire	---	---	--	--	381L	101 4XX*	381L 350	101 4XX*	Res. Sem.	101 4XX*
PN□	499	484L	483L	484L	483L	484L	483L	484L	483L	484L
KB□			482L		485L		482L		485L	
KS□	102	360	102	360	102	360	102	360	102	360
Other PT□	101 101e 102e 351 356 470	101e 102 102e 140 359 462 471	101 101e 102e 140	101 101e 102e 140	101 101e 102e 140	101e 102e 140	101e 102e 140	101e 102e 140	101 101e 102e 381L	101e 102e 140
Total Part- time	8	9	7	6	7	5	5	5	7	5
Total Part- w/o Rpmt	8	9	7	6	8	6	7	6	7	6

* Replacement hire would allow the addition of one more course. This is not included in total part-time w/o replacement hire.

THE UNIVERSITY OF NEW MEXICO - SPECIAL COURSE FEES APPROVAL FORM

Entered on Spreadsheet
 RECEIVED
 9/20/08
 SEP 25 2008

INSTRUCTIONS:

Special course fees are appropriate only when there are unique costs associated with a course or when there are physical residuals that students take away from the course. An example of the first case might be in a laboratory class. An example of the second would occur if a piece of art, created by the student, were taken away at the end of the class. Course fees cannot be used to pay teaching assistants or instructors.

All requests for fee increases or new fees must be fully justified financially, by matching projected fee revenues to the purposes specified. Examples and blank budget forms are provided on the attached sheet. Feel free to modify or use additional budget forms as necessary. Please submit three copies to the Associate Provost for Academic Affairs for approval.

Deadlines for receipt of requests:

RECORDS OFFICE
 Spring Last week of October
 Summer Last week of February
 Fall Last week of February

Department: Geography				Dept. Contact Person: Jazmin Knight						
Account Number: 860069				Telephone Number: 277-5041						
Subject Code & Course Number	Does fee apply to all sections?	If fee is section specific, provide section #	Course Title	Effective Term	End Term (If applicable)	If cross-listed, will equal fees be assessed for all courses in the cross-list?	Current Course Fee	New/ Revised Course Fee	Index/account (10 digits)	Detail Code (Bursar's use only)
All GEOG										
4/580L	Yes		Quantitative Methods Geography	Fall 2009				\$35.00	860069-0220	} P 136
4/582L	Yes		Positioning Systems	Fall 2009			\$35.00	860069-0220		
4/584L	Yes		Applications of Remote Sensing	Fall 2009			\$35.00	860069-0220		
4/585L	Yes		Internet Mapping	Fall 2009			\$35.00	860069-0220		
4/586L	Yes		Applications of GIS	Fall 2009			\$35.00	860069-0220		
581L	Yes		GIS Fundamentals	Fall 2009			\$35.00	860069-0220		

Copy for your records

REQUIRED APPROVAL SIGNATURES		
Chair <i>[Signature]</i> 9/17/08	Dean / Director <i>[Signature]</i>	Approved Wynne D. [Signature] 9/22/08 Associate Provost for Academic Affairs
Chair (if cross-listed)	Dean / Director (if cross-listed)	FOR BURSAR'S OFFICE ONLY Processed By <i>[Signature]</i> 9/24/08
Chair (if cross-listed)	Dean / Director (if cross-listed)	FOR OFFICE OF THE REGISTRAR ONLY Processed By <i>[Signature]</i> 09/26/08

Sample course fee budget per student

Art Studio 100

Proposed fee		30.00
Description	Drawing materials	
Projected expenses		
	5 pencils @ 2.00/ea	10.00
	4 drawing tablets @ 5.00/ea.	20.00
Total projected expenses per student		30.00

Sample course fee budget per section

Biology 100

Proposed fee		20.00
Description	Lab supplies and equipment	
Projected enrollment		25
Projected revenue		500.00
Projected expenses		
	500 microscope slides (10/student)	100.00
	2 microscopes (1/10 th of cost of \$1,000 @ 10 yr. replacement cycle)	200.00
	Cultures	200.00
Total projected expenses per section		500.00

Course fee budget

Section:

	Description	Amount
Proposed fee		
Projected enrollment		
Projected revenue		
Projected expenses		
Total projected expenses		

Course fee budget

Section:

	Description	Amount
Proposed fee	The \$35 course fee is based on the combined projected enrollments of Geography GIScience courses using the PC Lab: GEOG	
Projected enrollment		
Projected revenue		
Projected expenses	281L, 381L, 4/580L, 4/582L, 4/583L, 4/584L, 4/585L, 4/586L, 4/587L, 4/588L, 581L	
	Although the cost per student is greater than \$35, the Geography Department will absorb the difference.	
Total projected expenses		

Course fee budget

Section:

	Description	Amount
Proposed fee		\$35.00
Projected enrollment		175
Projected revenue		6,125.00
Projected expenses	Annual software licenses & PCs	
	3 New PCs @ \$1500	4,500.00
	Repair & Maintenance of PCs	2,300.00
	ESRI License	1,530.00
	ERDAS License	1,530.00
	Misc. Software Licenses & Purchases	500.00
Total projected expenses		10360.00

Course fee budget

Section:

	Description	Amount
Proposed fee		
Projected enrollment		
Projected revenue		
Projected expenses		
Total projected expenses		