

**UCC/UGC/ECCC**

Proposal for Course Change

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| **FAST TRACK (Select if this will** **be a fast track item. Refer to** [**UCC**](http://www4.nau.edu/avpaa/UCCPolicy/FastTrack.docx) **or** [**UGC**](http://www.nau.edu/gradcol/UGC/UGC_FastTrack_Policy&Process.pdf) **Fast Track Policy for eligibility)** |

# *If the changes included in this proposal are significant, attach copies of original and proposed syllabi in* [*approved university format*](http://www4.nau.edu/avpaa/UCCForms/syllabus.doc)*.*

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| 1. Course subject and number: | GSP320 | 2. Units: | 3 |

[**See upper and lower division undergraduate course definitions**](http://www4.nau.edu/avpaa/UCCPolicy/Uplow.doc).

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| 3. College: | SBS | 4. Academic Unit: | GPR |

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| 5. Current Student Learning Outcomes of the course.  -Students will understand and be able to explain principles of remote sensing using both visible and non-visible forms of electromagnetic radiation.  -Students will be proficient at using remote sensing software (e.g. ERDAS Imagine) for visualizing and analyzing remotely sensed data.  -Students will be able to complete a remote sensing project that involves obtaining raw imagery, image analysis and visualization, and creation of deliverables. | Show the proposed changes in this column (if applicable). Bold the proposed changes in this column to differentiate from what is not changing, and Bold with strikethrough what is being deleted. *(*[*Resources & Examples for Developing Course Learning Outcomes*](http://www4.nau.edu/avpaa/Assessment/CourseLearningOutcomesPDF_090712.pdf)*)*  no changes |

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| 6. Current **title,** **description** and **units**. Cut and paste, in its entirety,from the current on-line academic catalog\* [**http://catalog.nau.edu/Catalog/**](http://catalog.nau.edu/Catalog/).  GSP 320 - Introduction To Remote Sensing  Description: Introductory principles of electromagnetic radiation and analysis techniques of both visible and non-visible forms of remotely sensed data. 3 hrs. lecture. Letter grade only. Course fee required.  Units: 3  Prerequisite: GSP 130 or International Student Exchange Group | Show the proposed changes in this column **Bold** the proposed changes in this column to differentiate from what is not changing, and **~~Bold with strikethrough~~**what is being deleted.  GSP 320 - Introduction To Remote Sensing  Description: Introductory principles of electromagnetic radiation and analysis techniques of both visible and non-visible forms of remotely sensed data. **~~3 hrs. lecture~~**. Letter grade only. Course fee required.  Units: 3  Prerequisite: **~~GSP 130 or International Student Exchange Group~~** |

\*if there has been a previously approved UCC/UGC/ECCC change since the last catalog year, please copy the approved text from the proposal form into this field.

7. Justification for course change.

Class no longer requires mapping skills obtained in GSP130. Proposed change will also make the course more accessible to NAU students outside of GPR (physical science students will particularly benefit).

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| 8. Effective **BEGINNING** of what term and year? | **Fall 2014** |
| [**See effective dates calendar**](http://www4.nau.edu/avpaa/timelines/1314Effective.xls). |  |

**IN THE FOLLOWING SECTION, COMPLETE ONLY WHAT IS CHANGING**

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| **CURRENT** | **PROPOSED** |
| Current course subject and number: | Proposed course subject and number: |
| Current number of units: | Proposed number of units: |
| Current short course title: | Proposed short course title (max 30 characters): |
| Current long course title: | Proposed long course title (max 100 characters): |
| Current grading option:  letter grade  pass/fail  or both | Proposed grading option:  letter grade  pass/fail  or both |
| Current repeat for additional units: | Proposed repeat for additional units: |
| Current max number of units: | Proposed max number of units: |
| Current prerequisite:  GSP 130 or International Student Exchange Group | Proposed prerequisite (include rationale in the justification):  **None** |
| Current co-requisite: | Proposed co-requisite (include rationale in the justification): |
| Current co-convene with: | Proposed co-convene with: |
| Current cross list with: | Proposed cross list with: |

9. Is this course in any plan (major, minor, or certificate) or sub plan (emphasis)? Yes  No

If yes, describe the impact. If applicable, include evidence of notification to and/or response

from each impacted academic unit.

Environmental Sciences, Environmental Management Emphasis; BS (elective), course required for Geographic Science and Community Planning B.S. degree - Geospatial Sciences Emphasis. No impact anticipated.

10. Is there a related plan or sub plan change proposal being submitted? Yes  No

If no, explain.

Course prerequisite change will require no related plan change proposals.

11. Does this course include combined lecture and lab components?                  Yes  No

If yes, include the units specific to each component in the course description above.

**Answer 12-15 for UCC/ECCC only:**

12. Is this course an approved Liberal Studies or Diversity course?                    Yes  No         If yes, select all that apply.   Liberal Studies    Diversity    Both

13. Do you want to remove the Liberal Studies or Diversity designation?            Yes  No

If yes, select all that apply.   Liberal Studies    Diversity     Both

14. Is this course listed in the [**Course Equivalency Guide**](https://aztransmac2.asu.edu/cgi-bin/WebObjects/Admin_CEG.woa/wa/ByInst?inst=NAU)?                               Yes  No

15. Is this course a [**Shared Unique Numbering**](https://aztransmac1.asu.edu/cgi-bin/WebObjects/ATASS.woa/wa/SUNList?S=X) (SUN) course?                            Yes  No

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| **FLAGSTAFF MOUNTAIN CAMPUS** |  |
| **Scott Galland** | **10/08/2013** |
| Reviewed by Curriculum Process Associate | Date |
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| **Approvals**: |  |
|  | **10/24/13** |
| Department Chair/Unit Head (if appropriate) | Date |
| Wm. Huffman, Ph.D. | 10/24/2013 |
| Chair of college curriculum committee | Date |
| Wm. Huffman, Ph.D. | 10/24/2013 |
| Dean of college | Date |
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| **For Committee use only:** |  |
|  |  |
| UCC/UGC Approval | Date |

Approved as submitted: Yes  No

Approved as modified: Yes  No

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| **EXTENDED CAMPUSES** |  |
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| Reviewed by Curriculum Process Associate | Date |
|  |  |
| **Approvals:** |  |
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| Academic Unit Head | Date |
|  | |
| Division Curriculum Committee (Yuma, Yavapai, or Personalized Learning) | Date |
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| Division Administrator in Extended Campuses (Yuma, Yavapai, or Personalized Learning) | Date |
|  | |
| Faculty Chair of Extended Campuses Curriculum Committee (Yuma, Yavapai, or Personalized Learning) | Date |
|  | |
| Chief Academic Officer; Extended Campuses (or Designee) | Date |
|  |  |

Approved as submitted: Yes  No

Approved as modified: Yes  No