

**UCC/UGC/ECCC**

Proposal for New Course

***Please attach proposed Syllabus in*** [***approved university format***](http://www4.nau.edu/avpaa/UCCForms/syllabus.doc)***.***

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| 1. Course subject and number: | **GLG 259L** | 2. Units: | **1** |

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

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| 3. College:  | **CEFNS** | 4. Academic Unit: | **SESES** |

5**.** Student Learning Outcomes of the new course. *(*[*Resources & Examples for Developing Course Learning Outcomes*](http://www4.nau.edu/avpaa/Assessment/CourseLearningOutcomesPDF_090712.pdf)*)*

Learn to describe surface features and materials in the field

Learn to investigate landscapes using maps and aerial photographs

Learn to use a spreadsheet to create simple models of landform evolution and landslide safety

6. Justification for new course, including how the course contributes to degree program outcomes, or other university requirements / student learning outcomes. *(*[*Resources, Examples & Tools for Developing Effective Program Student Learning Outcomes*](http://www4.nau.edu/avpaa/Assessment/ProgramLearningOutcomesPDF_090712.pdf)*).*

This proposed 1-credit laboratory/field experience will be a co-requisite with GLG259. Together, the two will substitute for the current 4-credit course (GLG430) currently within the degree plans.

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|  7. Effective **BEGINNING** of what term and year? | **Fall 2014** |  |
|  [**See effective dates calendar**](http://www4.nau.edu/avpaa/timelines/1314Effective.xls)**.** |  |  |

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| 8.  Long course title: | **Principles of Geomorphology Laboratory** |
|  *(max 100 characters including spaces)* |

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| 9. Short course title: | **PRINCIPLES GEOMORPHOLOGY LAB** |
|  *(max. 30 characters including spaces)* |

10. Catalog course description *(max. 60 words, excluding requisites):*

Laboratory- and field-based exercises in landform analysis. Co-requisite: GLG/GSP 259; 3 hr lab and weekend field trips.

11. Will this course be part of any plan (major, minor or certificate) or sub plan (emphasis)?

                                                                                                                                    Yes [x]  No [ ]

 If yes, include the appropriate plan proposal.

**Geology-General Geology Emphasis; B.S.(elective), Geology Minor(elective), Environmental Science-Applied Geology Emphasis; B.S., Earth Science-Secondary Education; B.S.Ed.**

**Substitute “GLG259 + 259L” for “GLG 430”**

12. Does this course duplicate content of existing courses? Yes [ ]  No [x]

If yes, list the courses with duplicate material. If the duplication is greater than 20%, explain why NAU should establish this course.

13. Will this course impact any other academic unit’s enrollment or plan(s)?              Yes [ ]  No [x]

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

 each impacted academic unit

14. Grading option:      Letter grade **[x]** Pass/Fail **[ ]**Both **[ ]**

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| 15. Co-convened with: |  | 14a. UGC approval date\*: |  |
| (For example: ESE 450 and ESE 550) [See co-convening policy](http://www4.nau.edu/avpaa/UCCPolicy/crosslist.doc). \*Must be approved by UGC before UCC submission, and both course syllabi must be presented. |

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| 16. Cross-listed with: |  |  |
|  (For example: ES 450 and DIS 450) [See cross listing policy](http://www4.nau.edu/avpaa/UCCPolicy/crosslist.doc).      Please submit a single cross-listed syllabus that will be used for all cross-listed courses. |
| 17. May course be repeated for additional units? |  |  Yes [ ]     No [x]  |
|  16a. If yes, maximum units allowed? |  |  |
|  16b. If yes, may course be repeated for additional units in the same term? |  | Yes [ ]     No [ ]  |
| 18. Prerequisites: |  |  |

 If prerequisites, include the rationale for the prerequisites.

None – co-requisite only

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| 19. Co requisites: | GLG/GSP 259 |  |

 If co requisites, include the rationale for the co requisites.

This proposed 1-credit laboratory/field experience will be a co-requisite with GLG/GSP 259. Together, the two will substitute for the current 4-credit course (GLG 430) currently within the degree plans.

20. Does this course include combined lecture and lab components?                   Yes [ ]  No [x]

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

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| 21. Names of the current faculty qualified to teach this course: | Darrell Kaufman, Diana Elder, Erik Schiefer |

22. Classes scheduled before the regular term begins and/or after the regular term ends may require

 additional action.  Review “see description” and “see impacts” for “Classes Starting/Ending

 Outside Regular Term” under the heading “Forms”

 <http://nau.edu/Registrar/Faculty-Resources/Schedule-of-Classes-Maintenance/>.

 Do you anticipate this course will be scheduled outside the regular term?   Yes [ ]  No [x]

**Answer 22-23 for UCC/ECCC only:**

23. Is this course being proposed for Liberal Studies designation?             Yes [ ]  No [x]

       If yes, include a [Liberal Studies proposal](http://www2.nau.edu/~d-ugstdy/_source/docs/LS_Proposal_form.doc) and syllabus with this proposal.

24. Is this course being proposed for Diversity designation?Yes [ ]    No [x]

       If yes, include a [Diversity proposal](http://www4.nau.edu/avpaa/EthDiv/Divform2010.doc) and syllabus with this proposal.

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| **FLAGSTAFF MOUNTAIN CAMPUS** |  |
| **Scott Galland**  | **09/24/2013** |
| Reviewed by Curriculum Process Associate | Date |
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| **Approvals**: |  |
|  |  |
| Department Chair/Unit Head (if appropriate) | Date |
|  |  |
| Chair of college curriculum committee | Date |
|  |  |
| Dean of college | Date |
|  |  |
| **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 |
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| **Approvals:**  |  |
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| Academic Unit Head | Date |
|  |
| Division Curriculum Committee (Yuma, Yavapai, or Personalized Learning) | Date |
|  |
| Division Administrator in Extended Campuses (Yuma, Yavapai, or Personalized Learning) | Date |
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| 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 [ ]

**College of Engineering, Forestry and Natural Sciences**

**School of Earth Sciences and Environmental Sustainability**

**Principles of Geomorphology Laboratory (GLG 259L)**

Spring 2015

**Instructor:** XXXXXXXX (Office; Phone; Email)

**Office hours:** XXXXXXXX

**Credits:** 1 (lab); 3 hr in lab per week plus weekend field trips

**Meeting:** XXXXXX

**Co-requisite:** GLG/GSP 259

**Course Description:** This laboratory and field course expands on the topics covered in the Principles of Geomorphology lecture (GSP/GLG 259). It stresses the applied aspects of geomorphology through hands-on learning activities.

**Course Objectives:**

Learn to describe surface features and materials in the field

Learn to investigate landscapes using maps and aerial photographs

Learn to use a spreadsheet to create simple models of landform evolution and landslide safety

**Textbook:** None; handouts

**Course Requirements and Expectations:** You are expected to attend all lab and field sessions and to complete all assignments on time.

**Course Grading:** Your final grade will be based on the quality of the work on laboratory and field-based assignments. The letter-grade cutoffs will be *no lower* than the following: 90% = A; 80% = B; 70% = C; 60% = D. Cutoffs may be adjusted *downward*.

# Course Outline:

Landforms of the United States

Field: Walnut Creek geomorphology

Terraces and river discharge

Eolian geomorphology

Urban geomorphology

Humans as geomorphic agents

Field: weathering features at Mt Elden

Landslides and factor of safety

Glacial maps and photos

Karst and beaches

**NAU Policies:**  Attach the Safe Working and Learning Environment, Students with Disabilities, Institutional Review Board, and Academic Integrity policies or reference them on the syllabus.