

**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  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

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

      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 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 | | |
| 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

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

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

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

       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

       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 |
|  |  |
| **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 |
|  | |
| 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.