LSC Use Only Proposal No: LSC Action-Date:	UWUCC Use Only Proposal No: 14-971 UWUCC Action-Date: App 11/11/14 Senate Action Date: App 12/2/14

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Check all appropriate lines and complete all information. Use a separate cover sheet for each course proposal and/or program proposal.

Global Citizenship | Information Literacy | Oral Communication

Quantitative Reasoning | Scientific Literacy | Technological Literacy

	Signature	Date	Approved
Chair(s)			Department Curriculum Committee
			Department Chairperson(s)
		10/20/14	College Curriculum Committee Chair
			College Dean

Additional signature (with title), as appropriate

Part II. Description of Curricular Change

1. SYLLABUS OF RECORD

I. Catalog Description

[redacted]

B. Field Preparation (5 hours)

A series of lectures and discussions will occur prior to and during travel to the designated field area. Readings from field guides will focus on understanding the general geologic setting of the research area, while discussions of recent scientific literature readings will address the nature of the scientific research being carried out by the students and professor working as a team.

C. Field Techniques (5 hours)

Once on location, the students will be taught as a class about any sampling and measurement

VII. Required Textbook(s), Supplemental Books and Readings.

Textbooks, field guides and/or other supplemental readings will be assigned by the instructor as

Petcovic, Heather L., Julie C. Libarkin, and Kathleen M. Baker. (2009) An empirical methodology for investigating geocognition in the field. *Journal of Geoscience Education*

Course Analysis Questionnaire

Section A: Details of the Course

A1 This course is designed as a controlled elective for junior and senior geology majors in all degree tracks. This course fills a need for students going on to industrial or academic research institutions by teaching them how to conduct an actual research project on a topic of current scientific interest. Existing courses either teach students the fundamental techniques of how to study rock outcrops in the field (GEOS 303 Field Geology) or introduce students to the known geologic setting and evolution of a particular region (GEOS 401-402 Northern Rockies Seminar and Field Workshop, GEOS 403-404 Newfoundland Seminar and Field Workshop, GEOS 405-406 American Southwest Seminar and Field Workshop, GEOS 407-408 Carbonate Geology Seminar and Field Workshop).

This course will focus on conducting an actual scientific research project, usually part of or

A5 This is a variable credit course, with the number of credits taken determined by the student in conjunction with their academic advisor. All students will be evaluated on the same grading basis (participation, field journal, project completion). We expect students to assist each other informally and work cooperatively in small field teams. A larger share of the organizational and leadership role for each field team will be assigned to students enrolled for higher numbers of credits. Specific field team responsibilities will be assigned by each course

A7 The ability to map and sample rocks in field exposure, along with other professional field skills such as water and soil sampling, are a major focus of many state professional geologists licensure exams, including the one required by the state of

Appendix 2

ASBOG FG and PG Test Blueprints

the department that shows how their research location and current project can be used to support a variety of student-centered research projects. Faculty workload will be assigned as part of each department's summer or winter teaching rotation, based on the number of students and credit hours taken.

C2 **Space:** Since this is an off-campus course, there is no need for campus teaching space

C7 We are not aware of any parameters or enrollment guidelines for this course.

C8 This is not a distance education course.

Section D: Other Miscellaneous Information

We have attached a detailed description of the Next Generation Field Fund that will support the bulk of travel and living expenses for students enrolled in this course.

Part III. Letters of Support or Acknowledgement

No letters of support from other programs or departments are required for this proposal.

NEXT GENERATION FIELD FUND