LSC Use Only Proposal No:	UWUCC Use Only Proposal No: 14-97d	
LSC Action-Date:	UWUCC Action-Date: AP-11/11/14	Senate Action Date: App-12/2/14

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person(s)	Email Address
Karen Rose Cercone	kcercone@iup.edu
Proposing Department/Unit	**Phone**
Geoscience	724-357- 7650

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

Scientific Literacy

Technological Literacy

3. Other Designations, as appropriate

UWUCC Co-Chairs		11/11/14

Part II. Description of Curricular Change

1. SYLLABUS OF RECORD

I. Catalog Description

GEOS 345 Igneous and Metamorphic Petrology (3c-3l-4cr)

[redacted]

L. Final exam (2 hours during final exam period)

Lab Schedule

[redacted]

Week 1	Introduction to igneous minerals and textural terms- review of optical microscopy
[redacted]	
Week 2	[redacted]

IX. Bibliography

The following resources will be used to develop the course curriculum:

Demange, Michel Andre (2012) Mineralogy for Petrologists: Optics, Chemistry, and Occurrences of Rock-forming Minerals. CRC Press, 218 pp.

Farndon, John (2013) The Complete Illustrated Guide To Rocks Of The World: A practical directory of over 150 igneous, sedimentary and metamorphic rocks: Lorenz, 128 pp.

Frost, B. Ronald, and Carol D. Frost (2013) Essentials of Igneous and Metamorphic Petrology. Cambridge University Press, 336 pp.

Gill, Robin (2011) Igneous Rocks and Processes: A Practical Guide. Wiley-Blackwell, 440 pp.

Course Analysis Questionnaire

Section A: Details of the Course

A1 This course is designed for junior and senior geology majors. It will be a track requirement for the B.S. in Geology / Geology Track; a track option for the B.S. in Geology / Environmental Track; and it can be used as a Controlled Elective for the B.S. in Geology / Energy Resources Track.

The material covered by this course was the subject of a stand-alone course, GEOS 322 Igneous and Metamorphic Petrology, from 1968 until 2008. During our last curriculum update, the department experimented with combining Mineralogy and Petrology into a single

A6. Most undergraduate [illegible] programs in the United States offer [illegible]

Appendix 2

ASBOG FG and PG Test Blueprints

Number and Percent of Items by Domain

CONTENT DOMAINS	FG#	FG%	PG#	PG%
A. Field Methods & Remote Sensing	32	29.1	28	35.0
B. Mineralogy, Petrology, Petrography, & Geochemistry	15	13.6	2	2.5

Section C: Implementation

C1 Faculty resources are adequate to teach this class at the current time. The course will be taught on a two-year rotation, alternating with another new controlled elective course in the workload of our mineralogist-petrologist, Dr. Nick Deardoff. Until 2008, this faculty

C5 No more than one section of this course will be offered at a time.

C6 Since this course has an integrated laboratory section, enrollment is limited to 24 students (4 students per work table / 6 work tables in the lab). This is the standard enrollment limit for