

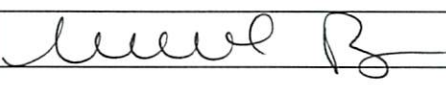
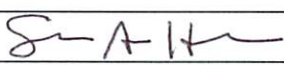
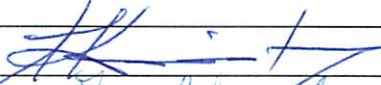
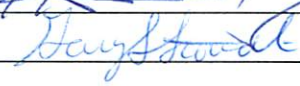
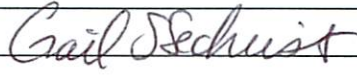
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LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No. <u>07-439</u>	UWUCC Action-Date: <u>App-9/30/08</u>	Senate Action Date: <u>App-2/24/09</u>
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Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person Karen Rose Cercone	Email Address kcercone@iup.edu
Proposing Department/Unit Geosciences - Natural Sciences and Mathematics	Phone 724-357-7650

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

1. Course Proposals (check all that apply) ☐ New Course ☐ Course Prefix Change ☒ Course Deletion ☐ Course Revision ☐ Course Number and/or Title Change ☐ Catalog Description Change		
GEOS 123 Applied Mathematics in Geoscience		
<u>Current</u> Course prefix, number and full title	<u>Proposed</u> course prefix, number and full title, if changing	
2. Additional Course Designations: check if appropriate ☐ This course is also proposed as a Liberal Studies Course. ☐ Other: (e.g., Women's Studies, Pan-African) ☐ This course is also proposed as an Honors College Course.		
3. Program Proposals ☐ New Degree Program ☐ Program Title Change ☐ Program Revision ☐ New Minor Program ☐ New Track ☐ Other		
<u>Current</u> program name <u>Proposed</u> program name, if changing		
4. Approvals		
Department Curriculum Committee Chair(s)		2/4/08
Department Chair(s)		2/4/08
College Curriculum Committee Chair		2-11-08
College Dean		2-11-08
Director of Liberal Studies *		
Director of Honors College *		
Provost *		
Additional signatures as appropriate: (include title)		
UWUCC Co-Chairs		9/30/08

* where applicable

Received

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SEP 25 2008

FEB 14 2008

Liberal Studies Liberal Studies

Part II. Description of Curriculum Change

1. Description of Course to be Deleted

GEOS 123 - Applied Mathematics in Geosciences

1c-0l-1cr

For geoscience majors enrolled in either MATH 121 or MATH 123. Applications of the calculus to problems in geochemistry and geophysics. Topics will involve geoscience applications of limits, differentiation, Taylor series, exponential functions, integration and advanced topics.

2. Justification/Rationale

GEOS 123 Applied Mathematics in the Geosciences was an experimental supplemental lab section intended to increase the mathematical literacy of freshman year Geoscience majors by showing them how calculus could be used to analyze geologically relevant problems. Unfortunately, the majority of students entering the Geology and Environmental Geology tracks did not place directly into calculus, and therefore could not take this section as it was designed to be taken, alongside their freshman year survey course GEOS 121 Physical Geology. The course was offered only once and has simply remained on the books since then. Instead of focusing on math and calculus in a separate course section, our new curriculum revision seeks to incorporate mathematical literacy as a primary student learning outcome which will be taught and assessed at various levels throughout our majors' educational careers.

3. Effects on Existing Courses and Programs

This experimental lab section was never required for any existing course or program and its deletion will have no affect on students either within or outside the Geoscience Department.

Part III. Letters of Support or Acknowledgement

No other departments or programs are affected by this change.