LSC Use Only Proposal No: LSC Action-Date:	*UWUCC Use Only* Proposal No: 14-976 UWUCC Action-Date: App 10/28/14 Senate Action Date: App 12/2/14

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

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Part II. Description of Curricular Change

1. SYLLABUS OF RECORD

Week 3	Silicates 1: Isolated and double tetrahedra, ring structures
Week 4	Silicates 2: Single and double chain tetrahedral structures
Week 5	Silicates 3: Sheet tetrahedral structures
Week 6	Silicates 4: Framework tetrahedral structures
Week 7	**Lab Exam 1;** Non-silicate minerals
Week 8	Optical properties of minerals 1: plane polarized light, pleochroism, relief
Week 9	Optical properties of minerals 2: cross-polarized light, birefringence, retardation
Week 10	Optical properties of minerals 3: uniaxial minerals
Week 11	Optical properties of minerals 4: biaxial minerals
Week 12	Mineral Identification: Real rocks in thin section
Week 13	Powder X-ray diffraction and rock analysis
Week 14	**Lab Exam 2**

IV. Evaluation Methods

The final class grade will be determined from the following assessments:

Lecture Exam 1	15 %
Lecture Exam 2	15 %
Final Lecture Exam	15 %
Lecture assignments and quizzes	10 %
Lab assignments	15 %
Lab Exam 1	15 %
Lab Exam 2	15 %
Total	100 %

V. Example Grading Scale

The final grade will be assigned based on the semester average using the scale: 90-100%=A; 80-89%=B; 70-79%=C; 60-69%=D and below 60%=F.

VI. Attendance Policy

The attendance policy will conform to IUP's undergraduate course attendance policy.

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

[redacted]

Ghiorso, M. S. (2011) "PhasePlot: A Software Program for Visualizing Phase Relations Computed Using Thermochemical Models and Databases." AGU Fall Meeting Abstracts. Vol. 1.

[redacted]

2. SUMMARY OF PROPOSED REVISIONS

1) Course content of current GEOS 301 Mineralogy and Petrology will be split back into two

graduates being better prepared and more able to compete effectively against students from other institutions, both for jobs in the geologic workforce and for graduate fellowships.

4. PREVIOUS SYLLABUS OF RECORD

1. SYLLABUS OF RECORD

[redacted]

4. Tectonic Interpretations of Igneous Rocks

Exam 3 (1 academic hour)

Part D (9 academic hours): Metamorphic Rocks

1. Agents of Metmorphism
2. Types of Metamorphism and Metamorphic Rocks

[redacted]

Approximately five scientific papers will be used periodically throughout the course to supplement textbook readings.

VIII. Special resource requirements

There are no special resource requirements for this course.

IX. Bibliography

In addition to the required textbooks and supplemental readings from science journals, the following will