

**Geochemistry**  
Fall 2010  
3 credits

**Instructor:** Lindsay Szramek  
**Office:** Harrington Hall 310  
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**Phone:** (920) 424-0868

**Class Schedule:** 8 am to 9 am-Monday, Wednesday, Friday

**Office Hours:** 3-4 M & W; 2-3 T; or by appointment or you can try to catch me in my office

**Important Dates:** 9/14/10=Last day to add without instructor signature; 11/22= Last day to drop without late drop request or withdraw; Thanksgiving Break 24-28; Semester end=December 17; Graduation=December 18.

**Text:** Your text is available electronically-no need to purchase! White, W. M., 2007, Geochemistry, John-Hopkins University Press, 701 p.

<http://www.imwa.info/geochemistry/>

If you can't remember the link, goggle "white" and "geochemistry" and I think it is the first thing that comes up

**Grades:** Grades will be based on a research paper (40 %), class participation (10 %), paper presentation (20 %) and problem sets (30 %)

**Grade Scale:**

93% > = A

90-92 = A-

87-89 = B+

83-86 = B

80-82 = B-

77-79 = C+

73-76 = C

69-72 =C-

66-68 = D+

63-65 = D

60-62 = D-

<60% = F

**Research Paper:** A 10-15 page paper on a geochemical topic.

**Class Participation:** I expect you to ask questions, especially when your classmates are presenting.

**Paper Presentation:** During the second part of the semester, small groups will present papers to the class. I will provide the papers.

**Problem Sets:** Problem sets will be distributed in class and will be due one week later, at the start of class. Late work **will not be** accepted, as we will go over the answers in class.

**Class Behavior:**

The lecture is for the benefit of all who are in attendance. Sometimes I will lecture and sometimes you will work on an activity. No matter what is happening, please, be aware and respectful of ALL participants in the class! Rude, disruptive, and disrespectful behavior will not be tolerated and will result in a lowered course grade and possible removal from the course.

**TEXTING, EMAILING, FACEBOOK, SURFING THE WEB, CELL PHONE USE, EAR BUDS OR OTHER DISRUPTIVE BEHAVIORS ARE PROHIBITED AT ALL TIMES DURING LECTURE.**

This rule is in effect because not only does texting, etc. show disrespect for me but for those people around you who are trying to engage and learn something from the class. If you notice someone engaging in disruptive behavior, please do not hesitate to talk to me or to point him or her out during class. If you talk to me, please know that your identity will be kept in confidence.

**Special Accommodations:** Reasonable accommodations will be made for students with disabilities. Please contact Disability Services (424-3100 (voice) or 424-1319 (TTY)) or visit their web site at <http://www.uwosh.edu/dean/disabilities.htm> for the University's accommodation request form and documentation requirements. Information related to an individual's accommodation request will be kept confidential.

**Academic Integrity:** The Wisconsin Administrative Code states: "Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others academic endeavors." (§ UWS 14.01) Plagiarism and other forms of academic misconduct are serious offenses with severe penalties. See the [University of Wisconsin Oshkosh Student Discipline Code](#) for definitions of academic misconduct and details about procedures, sanctions, and other relevant information. Specific questions about the provisions in the Student Discipline Code should be directed to the Dean of Students Office. If you do not understand this statement, please see me as soon as possible.

### Tentative Schedule, Subject to Change

| Week | Date         | Topic   | Chapters |
|------|--------------|---|----------|
| 1    | September 6  | What is Geochemistry?, Origin of the Planets                              | 10       |
| 2    | September 13 | Elements and Atoms, Thermodynamics  | 1,2      |
| 3    | September 20 | Thermodynamics  | 3,4      |
| 4    | September 27 | Kinetics <b>Paper Topics Due (M)</b>                                      | 5        |
| 5    | October 4    | Water   | 6        |
| 6    | October 11   | Trace Elements  | 7        |
| 7    | October 18   | Paper Presentations   | TBA      |
| 8    | October 25   | Isotopes <b>Research Sources Due (M)</b>                                  | 8,9      |
| 9    | November 1   | Mantle/Core   | 11       |
| 10   | November 8   | Mantle/Core, Crust  | 11,12    |
| 11   | November 15  | Crust   | 12       |
| 12   | November 22  | Surface, <b>Thanksgiving</b>  | 13       |
| 13   | November 29  | Surface   | 13       |
| 14   | December 6   | Wrap up, <b>Research Paper Due (M); Research Paper Presentations(W,F)</b> |          |
| 15   | December 13  | <b>Research Paper Presentations(M,W,F)</b>                                |          |