

**Instructor:** Rachel Headley  
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**Office Hours:** M 2-4 pm & Th 11 am-12 pm\*  
**Office:** Greenquist 314

\*If these hours do not work, feel free to schedule a meeting with me. Email/text to schedule.

**Class Schedule:** Monday, Wednesday, Friday @ 10:00 - 10:53 am, GRNQ 109

**Lab Schedule:** Wednesday @ 2:00 – 4:50 pm, GRNQ 109

**Text:** Boogs, Sam, Jr., 2001, *Principles of Sedimentology and Stratigraphy*, Fifth Edition.

**Course Requirements:**

1. *Assigned Reading:* Complete assigned readings before the topic is covered in class. Some readings, particularly scientific articles, will have assignments associated with them.
2. *Lab Projects:* This portion of the course will consist of (tentatively) five lab exercises/projects with a report required for each lab. Students may work on lab exercises/projects in groups but must independently complete the lab report. A guideline for reports is posted. Additionally, each student will be required to document all pertinent lab exercises/projects data (**not lecture**) in a notebook.
3. *Exams:* The two mid-term exams and final exam (weighted the same as the other exams) will be given only on the dates indicated on the course syllabus. All exams will be cumulative, as this is a field that builds on previous topics covered. Exams will last one class period (note: final exam period is 2 hours).
4. *Attendance*
  - a. *Exams:* Students missing an exam will receive no credit for that exam unless the instructor is notified one week **BEFORE** the scheduled exam time (except in case of emergency).
  - b. *Lecture & Quizzes:* The course is not graded based on attendance; however, missing non-exam days is not recommended. Generally, if notified **BEFORE** missing a quiz, the quiz can be made up.
  - c. *Labs:* Lab attendance is mandatory unless notified **BEFORE** the lab to be missed. For some labs, you will be able to do lab work outside of class hours.
  - d. *Field Trips:* There will be at least one non-mandatory field trip (TBD). There will be assignment associated with the field trip, and a makeup assignment if you cannot attend.

**GRADE BREAKDOWN:** Subject to change during semester

Assignments	Number/Points	Total Points
Lab Projects & Reports	5 (tentative) @ 50 points	250 points
Term Project	50 points	100 points
Readings & Field Trips	70 points distributed	70 points
Quizzes	8 (out of 10) @ 10 points	80 points
Mid-term Exams	2 @ 100 points	200 points
Final Exam	1 @ 100 points	100 points
<b>Total</b>		<b>800 points</b>

**GRADING SCHEME**

A = 94-100	B+ = 86-89	C+ = 76-78	D+ = 66-68	F = <60
A- = 90-93	B = 82-85	C = 72-75	D = 63-65	
	B- = 79-81	C- = 69-71	D- = 60-62	

It is the policy and practice of UW-Parkside to create inclusive learning environments. If there are aspects of the instruction or design of this course that result in barriers to your inclusion, please notify me as soon as possible. Students with disabilities are encouraged to contact Disability Services for a letter of verification to provide to their instructors. Disability Services can be reached at 595-2372 or 595-2610 or by email at [kirby@uwp.edu](mailto:kirby@uwp.edu).

**LECTURE & LAB SCHEDULE:** Subject to change, so always listen in class and check D2L for updates.

WEEK	DAY	DATE	TOPIC	Lab or Quiz
<b>1</b>	M	3-Feb	Class Introduction	
	W	5-Feb	Weathering: Subaerial/Submarine	Grain size distribution
	F	7-Feb	Fluid Flow	Quiz 1
<b>2</b>	M	10-Feb	Particle Transport	
	W	12-Feb	Sed. Textures: Grain Size	Grain size distribution
	F	14-Feb	Sed. Textures: Shape & Fabric	Quiz 2
<b>3</b>	M	17-Feb	Sed. Structures: Primary-Stratification	
	W	19-Feb	Sed. Structures: Bedding-Paleocurrent	Sedimentary Rocks
	F	21-Feb	Sed. Rocks: Siliciclastics I	Quiz 3
<b>4</b>	M	24-Feb	Sed. Rocks: Siliciclastics II	
	W	26-Feb	Sed. Rocks: Carbonates I	Sedimentary Rocks
	F	28-Feb	Sed. Rocks: Carbonates II	Quiz 4
<b>5</b>	M	3-Mar	Sed. Rocks: Bio/Chemical I	
	W	5-Mar	Sed. Rocks: Bio/Chemical I	Sedimentary Rocks
	F	7-Mar	<b>EXAM 1</b>	
<b>6</b>	M	10-Mar	Environmental Interpretation	
	W	12-Mar	Continental Environments I	Aswan Dam Problem
	F	14-Mar	Continental Environments II	Quiz 5
<b>7</b>	M	17-Mar	Marginal Environments I	
	W	19-Mar	Marginal Environments II	Aswan Dam Problem
	F	21-Mar	Marine Environments I	Quiz 6
<b>8</b>	M	24-Mar	<b>Spring Break</b>	
	W	26-Mar		
	F	28-Mar		
<b>9</b>	M	31-Mar	Marine Environments II	
	W	2-Apr	Evaporitic Environments	Aswan Dam Problem
	F	4-Apr	Lithostratigraphy: Units & Contacts	Quiz 7
<b>10</b>	M	7-Apr	Lithostratigraphy: Classification & Strata	
	W	9-Apr	Seismic Stratigraphy I	Lake Michigan Stratigraphy
	F	11-Apr	Seismic Stratigraphy II	Quiz 8
<b>11</b>	M	14-Apr	Sequence Stratigraphy	
	W	16-Apr	<b>EXAM 2</b>	Lake Michigan Stratigraphy
	F	18-Apr	Magnetostratigraphy I	
<b>12</b>	M	21-Apr	Magnetostratigraphy II	
	W	23-Apr	Chronostratigraphy I	Lake Michigan Stratigraphy
	F	25-Apr	Chronostratigraphy II	Quiz 9
<b>13</b>	M	28-Apr	Chronostratigraphy I	
	W	30-Apr	Biostratigraphy II	Fossil Correlation
	F	2-May	TBA	
<b>14</b>	M	5-May	Basin Analysis I	
	W	7-May	Basin Analysis II	TBD
	F	9-May	Basin Analysis III	Quiz 10
<b>15</b>	M	12-May	Other Topics & Review	
	F	16-May	<b>FINAL EXAM</b>	