SIO105 - 2021
Sedimentology and Stratigraphy
Lectures Tuesday/Thursday 9:30-11:00 Remote Learning
TA Aaron Hagadorn

**Week 1**
09/23 – Lecture 1: Introduction to Sedimentology and Stratigraphy
09/28 – Lecture 2: Plate tectonics & Sedimentary Basins

**Week 2**
9/30 - Lecture 3: Plate tectonics & Sedimentary Basins II
10/05 – Lecture 4: Source to Sink S2S

**Week 3**
10/07 - Lecture 5: Origin of Sediments – weathering/maturity
10/12 – Lecture 6: Sedimentary processes

**Week 4**
10/14 – Lecture 7: Sediment transport and deposition
10/19 – Lecture 8: Depositional systems: Alluvial fans [Proposal topic submitted]

**Week 5**
10/21 - Lecture 9: Depositional systems: Rivers and Beaches
10/26 - Lecture 10: Depositional systems: Shelf, Slope, Rise, deep-sea fans

**Week 6**
10/28 - Lecture 11: Depositional systems: Shelf, Slope, Rise, deep-sea fans II
11/02 – Mid-Term Exam

**Week 7**
11/04 – Lecture 12: Lithostratigraphy, Biostratigraphy, Chronostratigraphy
11/09 - Lecture 13: Lithostratigraphy, Biostratigraphy, Chronostratigraphy II

**Week 8**
11/11 – Veterans Day
11/16 - Lecture 14: Sequence Stratigraphy

**Week 9**
11/18 – Lecture 14 - Sequence Stratigraphy II
11/23 – Lecture 15 – Basin Analysis and Hydrocarbon Formation

**Week 10**
11/25 - Thanksgiving
11/30 – Class Presentations
Week 11
12/02 – Class Presentations

Finals Week 12/06

SIO 105 Grades:
25% Homeworks and Labs
25% Midterm Exam
50% Final Exam