

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