<table>
<thead>
<tr>
<th>Date</th>
<th>Classroom</th>
<th>Beach 101</th>
<th>Due 11.59 pm on the Wednesday before class meets</th>
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</thead>
</table>
| 20-Jan | Welcome and Intro                  | Weathering Products                                                       | 1. Sediment transport and spatial sorting of particles- Intuition lab  
2. Bonnet Carre plotting exercise  
3. Intro to Class tools: Setting up google drives; Twitter accounts; Basics of excel. |
| 27-Jan | Grain Minerology                   | Rock classification                                                       | 1. 6-fold classification scheme  
2. Grain size distributions  
3. 2-D and 3-D Delta source-to-sink intuition  
4. Textural Maturity exercise  
**OR FIELD TRIP** |
| 3-Feb  | Flow and Sediment Transport        | Flow and Sediment Transport                                               | Summary write-up ; discussion post Blog # 1  
Field trip: shear stress controls on grain size, sediment sorting in rivers |
| 10-Feb | Bedforms and their sedimentary structures | Bedforms and their sedimentary structures                           | Summary write-up ; discussion post Homework 1  
1. Bedforms in hand sample  
2. Wilbur Cross Columns  
3. 1-D Flume ripples  
4. wave ripples  
**OR FIELD TRIP** |
| 17-Feb | Rivers                             | Rivers                                                                    | Summary write-up ; discussion post Blog # 2  
Sediment Transport Exercise (Fenton River)  
Sediment Transport Exercise (Missouri River) |
| 24-Feb | Deltas                             | Deltas                                                                    | Summary write-up ; discussion post  
Discuss class lab project; Principles of experimental design  
1. core logs  
2. Design class Lab Project  
**OR FIELD TRIP** |
| 3-Mar  | Shoreline and shoreface deposition | Shoreline and shoreface deposition                                        | Summary write-up ; discussion post  
Presentation of lab project proposals  
Students sign-up for research article presentations  
**OR FIELD TRIP** |
| 10-Mar | Deep-water systems                 | Deep-water systems                                                        | Summary write-up ; discussion post  
Terrestrial to submarine transitions  
Fluvial deposits field trip (Fenton)  
**run class expt.** |
<p>| 17-Mar | SPRING BREAK                       |                                                                           |                                                 |</p>
<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
<th>Students Presentations</th>
<th>Class Activities</th>
<th>Summary</th>
<th>Discussion</th>
<th>Notes</th>
</tr>
</thead>
</table>
| 24-Mar| Stratigraphy                                | students presentations (1-3) | 1. Wheeler Diagrams  
2. Walther's Law Exercise  
3. Class Project update | run class expt. | discussion post |                           |
| 31-Mar| Sequence Stratigraphy                       | students presentations (4-6) | 1. Sequence Stratigraphy Seismic exercise  
2. deep water Seismic Exercise  
3. Class Project Update | run class expt. | discussion post | Home work 3               |
| 7-Apr | Hydrocarbon systems                         | students presentations (7-9) | Core description  
OR FIELD TRIP to fluvial outcrops - Buckland Hills | run class expt. | discussion post | Blog # 4                  |
| 14-Apr| Provenance                                  | Diagenesis & Rock Classification | fluvial outcrops: Constructing measured sections  
All-Day field trip on 15th April (deltas on glaciated landscapes) | run class expt. | discussion post |                           |
| 21-Apr| Projects                                    | Field trip rain-date 22 April; or field trip to small active deltas in Springfield, MA | run class expt. | Discussion post | Home work 4               |
| 28-Apr| Projects                                    | Project Presentations | Submit Powerpoint slides |         |            |                           |
| 3-May |                                              |                         | Final Paper due; Hand in Notebooks |         |            |                           |

Anjali travelling: Feb 21-23; March 31-April 6.