<table>
<thead>
<tr>
<th>Date</th>
<th>Topic(s)</th>
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| Wednesday, September 20, 2017 | Hour 1 - Intro to course:  
What / why / who  
Distribute materials  
Assign into working groups  
Hour 2 - Walk the site   |
| Monday, September 25, 2017  | Hour 1 - Site  
Elements of the site: sun, wind, rain, earth  
Passive systems "let nature do the work"  
Hour 2 - Site Tools  
Rhinoceros, Ladybug, EPW, Klimaat, Climate Consultant |
| Wednesday, September 27, 2017 | Hour 1 - Site Design  
Sustainable landscaping  
Working from the site inward  
Rainwater collection, greywater  
Hour 2 - Programming  
Space layout per function |
| Monday, October 2, 2017     | Student - individuals - present climate / site analysis / precedents |
| Wednesday, October 4, 2017  | Students - groups - present programming layout (bubble diagrams) |
| Monday, October 9, 2017     | Hour 1 - Heat Transfer / Comfort  
Intro to thermal comfort and psychometric chart  
Principles of heat transfer  
Hour 2 - Heat Transfer in Buildings  
Case study examples of conduction, convection, radiation as passive strategies  
Walls, windows, roofs |
| Wednesday, October 11, 2017 | Working session - explain how to use Ladybug to do shading calculations, and to do U-value calculations by hand |
| Monday, October 16, 2017    | Hour 1 - BIM  
Hour 2 - desk crits |
| Wednesday, October 18, 2017 | Intro: what is energy?  
Hour 1 - Mechanical Systems, generally.  
Active mechanical systems  
Water vs air loops  
Condenser cycles  
Hour 2 - Mechanical Systems for different building types  
Appropriate systems for different buildings |
| Monday, October 23, 2017    | Hour 2 - Structural Analysis Tools / IBC  
Program tutorials, basic ideas |
| Wednesday, October 25, 2017 | Students present structural schemes |
| Monday, October 30, 2017    | Project Goals (Mid-Review) 1  
Each group discusses their site, climate, and programming concept as it relates to their major goal  
Steps to accomplish goal |
| Wednesday, November 1, 2017 | Project Goals (Mid-Review) 2 |
| Monday, November 6, 2017    | Joe's Lecture  
desk crits |
| Wednesday, November 8, 2017 | Hour 1 - Materials  
Embodied energy / carbon  
Renewable materials  
Regional materials  
Hour 2 - Building Materials  
Applicability to materials used in building |
| Monday, November 13, 2017   | Focused work (structural, thermal, etc)  
Detailed study of chosen topic |
| Wednesday, November 15, 2017| Students present materiality plans, concepts for interior |
| Monday, November 20, 2017   | Focused work (structural, thermal, etc)  
Detailed study of chosen topic |
| Wednesday, November 22, 2017| Working session |
| Monday, November 27, 2017   | Working session |
| Wednesday, November 29, 2017| Final Presentations!  
Last class |
| Monday, December 4, 2017    | no class - exam period |