<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>10-Jan</td>
<td>Introduction to well testing/flow equation in various geometries</td>
</tr>
<tr>
<td>17-Jan</td>
<td>Solutions in radial, linear systems, diagnostic methods</td>
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<tr>
<td>24-Jan</td>
<td>Superposition in space and in time/Multiple Rate Tests</td>
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<tr>
<td>31-Jan</td>
<td>Pressure build up and pressure drawdown</td>
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<tr>
<td>7-Feb</td>
<td>First Exam</td>
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<tr>
<td>14-Feb</td>
<td>Layered, Composite, Faulted Reservoirs</td>
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<tr>
<td>21-Feb</td>
<td>Gas well testing/ isochronal tests</td>
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<tr>
<td>28-Feb</td>
<td>Naturally Fractured Reservoirs</td>
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<tr>
<td>7-Mar</td>
<td>Hydraulically Fractured Wells</td>
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<tr>
<td>14-Mar</td>
<td>Spring recess</td>
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<tr>
<td>21-Mar</td>
<td>Horizontal Wells/Tight sands/Coalbed Methane</td>
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<tr>
<td>28-Mar</td>
<td>2nd Exam</td>
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<tr>
<td>4-Apr</td>
<td>Interference and Pulse Tests</td>
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<tr>
<td>11-Apr</td>
<td>Injection Well Testing/DST/Pumping wells</td>
</tr>
<tr>
<td>18-Apr</td>
<td>Computer Aided Analysis/Use of artificial intelligence/Testing of aquifers</td>
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<tr>
<td>25-Apr</td>
<td>Project Presentation</td>
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<tr>
<td>2-May</td>
<td>Final 2-4 PM</td>
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</tbody>
</table>

Grading HW 15% ; Exam 1 25%  Exam 2 25%  Final 25 % Project 10 %

Reference Books and papers TBD