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<th>Week</th>
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<tr>
<td>1 Jan</td>
<td>8</td>
<td>L1 Introduction, Energy sources, generation, &amp; environment</td>
<td>9</td>
<td>10 L2 Hw1, Review of steady-state AC and phasors</td>
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<td>12 L3 Review of steady-state AC and phasors</td>
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<td>2 Mar</td>
<td>15 Martin Luther King Day</td>
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<td>17 L4 RMS, Single-phase AC power</td>
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<td>19 L5 Single-phase AC power, P, Q, S,</td>
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<td>3 Mar</td>
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<td>L6 Single-phase AC power, 3-phase power</td>
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<td>24 L7 3-phase power, Y- and delta-connections</td>
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<td>26 L8 3-phase power, balanced systems, efficiency, One-line diagrams</td>
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<td>4 Mar</td>
<td>29 Field Trip</td>
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<td>31 L9 Electromagnetics, Ideal transformers, Ratings</td>
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<td>2 L10 Transformation of impedance, Model of the non-ideal transformer</td>
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<td>L11 Non-ideal transformer, tests</td>
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<td>7 L12 Transformer voltage reg., Autotransformers, 3-phase, etc.</td>
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<td>9 L13 Power system diagrams Per-unit system</td>
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<td>12 Exam 1</td>
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<td>14 L14 Per-unit system</td>
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<td>19 Presidents Day</td>
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<td>21 L16 Synchronous machines</td>
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<td>23 L17 Synchronous machines as generators, examples</td>
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<td>26 L18 Placing generator on line, Synchronous machines as motors</td>
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<td>28 L19 Synchronous motors, pf correction</td>
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<td>1 L20 3-phase Induction motors,</td>
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<td>13 L22 3-phase Induction motors, tests</td>
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<td>20 L24 DC motors</td>
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<td>27 L26 DC motors &amp; loads</td>
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<td>29 L27 Finish DC motors, Transmission lines</td>
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<td>15 L32 Types of faults, The 3 &quot;sequences&quot;</td>
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<td>17 L33 Faults, Sequence Impedances</td>
<td>18 ME Design Day, Union Build.</td>
<td>19 L34 Protection</td>
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<td>15 Mar</td>
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<td>23 Last Day of Classes</td>
<td>24 Reading Day, ECE 3600 Review</td>
<td>25 ECE3600 Final 3:30 pm</td>
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