

**Tentative Schedule (Updated February 3, 2015):**

| TUESDAY (LAB)  |           | THURSDAY (LECTURE)  |           |
|--|-----------|---|-----------|
| Jan 27th<br><i>No Lab</i>  | <b>1</b>  | 29th<br>Introduction to MBSE, Syllabus, Project Descriptions<br>Reading: Sections 1.1-1.5, 3.1-3.3  | <b>2</b>  |
| Feb 3rd<br>Introduction to MagicDraw                                   | <b>3</b>  | 5th<br>Requirements<br>Reading: Chapter 8<br><b>Teams Due</b>                                       | <b>4</b>  |
| 10th<br>Creating Requirements Diagrams<br><b>Problem Statement Due</b> | <b>5</b>  | 12th<br>Use Cases<br>Reading: Sections 4.1-4.2, 7.1-7.3, 8.3  | <b>6</b>  |
| 17th<br>Creating Use Cases, Goals, Scenarios                           | <b>7</b>  | 19th<br>System Structure I: Block Definition Diagrams<br>Reading: Sections 4.3, 4.4, 5.1, Chapter 6 | <b>8</b>  |
| 24th<br>Creating Structure Diagrams                                    | <b>9</b>  | 26th<br>System Behavior I<br>Reading: Sections 5.2, 5.3, 7.5  | <b>10</b> |
| Mar 3rd<br>Creating Behavior Diagrams                                  | <b>11</b> | 5th<br>System Behavior II<br>Reading: Sections 7.6-7.8  | <b>12</b> |
| 10th<br>Creating Behavior Diagrams                                     | <b>13</b> | 12th<br><b>Midterm</b>  | <b>14</b> |
| 17th<br><i>Spring Break - No Class</i>                                 | <b>15</b> | 19th<br><i>Spring Break - No Class</i>  | <b>16</b> |
| 24th<br><b>Mid-Semester Project Reports Due</b>                        | <b>17</b> | 26th<br>Project Updates   | <b>18</b> |
| 31st<br>Application to Project   | <b>19</b> | Apr 2nd<br>System Structure II: Parametric Diagrams   | <b>20</b> |
| 7th<br>Creating Parametric Diagrams                                    | <b>21</b> | 9th<br>Tradeoff Analysis<br>Reading: Chapter 11   | <b>22</b> |
| 14th<br>Application to Project   | <b>23</b> | 16th<br>Multi-Objective Optimization<br>Reading: Section 11.2                                       | <b>24</b> |
| 21st<br>Creating Multi-Objective Optimization Models                   | <b>25</b> | 23rd<br>Verification and Validation   | <b>26</b> |
| 28th<br><b>Student Conference</b>                                      | <b>27</b> | 30th<br><i>No Class</i>   | <b>28</b> |

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|-------------------------------------|-----------|-------------------------|-----------|
| May 5th<br><i>No Lab</i>            | <b>29</b> | 7th<br><i>No Class</i>  | <b>30</b> |
| 12th<br><b>Final Reports Due</b>    |           | 14th<br><i>No Class</i> | <b>31</b> |
| 19th<br><b>Final Exam (Day TBD)</b> | <b>32</b> | 21st                    | <b>33</b> |