Abbreviated Weekly Schedule:

To summarize, Assignments are due by each Sunday and quizzes on materials in the previous week are due by Monday (Week 10 will be the exception). Please make sure that you have submitted the assignments via Canvas.

<table>
<thead>
<tr>
<th>Week</th>
<th>Course Topics (followed the 4th edition of the required textbook)</th>
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</thead>
</table>
| #1   | Assignments due: October 1, 2017  
      Quiz due: no quiz during the first week (quizzes are over the material in the previous |
|      | • Chapter 2: Section – 2.1 Logical Form and Logical Equivalence  
      • Chapter 2: Section – 2.2 Conditional Statements |
| #2   | Assignments due: October 8, 2017  
      Quiz 1 due: October 9, 2017 |
|      | • Chapter 3: Section - 3.1 Predicates and Quantified Statements  
      • Chapter 4: Section – (4.1 to 4.4) Direct Proof  
      • Chapter 4: Section – 4.6 Contraposition |
| #3   | Assignments due: October 15, 2017  
      Quiz 2 due: October 16, 2017 |
|      | • Chapter 4: Section – (4.6 to 4.7) Contradiction  
      • Chapter 6: Section - 6.1 Set Theory |
| #4   | Assignments due: October 22, 2017  
      Quiz 3 due: October 23, 2017 |
|      | • Chapter 6: Section – (6.2 to 6.3) Set Operations  
      • Chapter 5 : Section - 5.1 Sequences and Sums |
| #5   | Assignments due: October 29, 2017  
      Quiz 4 due: October 30, 2017 |
|      | • Chapter 5: Section - (5.2 to 5.3) Weak Induction  
      • Chapter 5: Section - 5.4 Strong Induction |
| #6 | Assignments due: November 5, 2017  
Quiz due: No quiz due to midterm |
|---|---|
| | • Chapter 5: (Section - 5.6 to 5.7) Recursive Definitions  
• Chapter 5: Section - 5.9 Structural Induction |

| #7 | Assignments due: November 12, 2017  
Quiz due: No quiz due to midterm |
|---|---|
| | • Chapter 9: Section-(9.2 and 9.3) Basic Counting Rules  
• Chapter 9: Section-9.4 The Pigeonhole Principle |
| | Midterm: 11/08/2017 – 11/12/2017 (Week 1- Week 5) |

| #8 | Assignments due: November 19, 2017  
Quiz 5 due: November 20, 2017 |
|---|---|
| | • Chapter 9: Section- (9.2 and 9.5) Permutations and Combinations  
• Chapter 9: Section - 9.6 Permutations and Combinations with Repetition |

| #9 | Assignments due: November 26, 2017  
Quiz 6 due: November 27, 2017 |
|---|---|
| | • Chapter 10: Section-10.1 Basic Graph Definitions and Properties  
• Chapter 10: Section-10.2 Connectivity |

| #10 | Assignments due: December 01, 2017  
(No late submission allowed) |
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<td>• Chapter 10: Section -10.7 Shortest Path Problem</td>
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| # Final Week | Final Exam: 12/03/2017 – 12/07/2017 (Week 1- Week 10) |