

**CS 225 : Discrete Structures in CS (Summer 2019)**

**Abbreviated Weekly Schedule:**

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

\* This schedule is subject to change. Changes, if necessary, will be updated here and posted via Canvas/Piazza announcements.

Week	Course Topics ( followed the 4 <sup>th</sup> edition of the required textbook )
<b>#1</b>  <b>Assignments due:</b> June 30, 2019  <b>Syllabus Quiz due:</b> July 01, 2019	<ul style="list-style-type: none"> <li>• Chapter 2: Section – (2.1 and 2.2) Compound and Conditional Statements</li> <li>• Chapter 3: Section - (3.1 and 3.2) Predicates and Quantified Statements</li> </ul>
<b>#2</b>  <b>Assignments due:</b> July 07, 2019  <b>Quiz 1 due:</b> July 08, 2019	<ul style="list-style-type: none"> <li>• Chapter 4: Section – (4.1 to 4.4) Direct Proof</li> <li>• Chapter 4: Section – 4.6 Proof by Contraposition</li> <li>• Chapter 4: Section – (4.6 and 4.7) Proof by Contradiction</li> </ul>
<b>#3</b>  <b>Assignments due:</b> July 14, 2019  <b>Quiz 2 due:</b> July 15, 2019	<ul style="list-style-type: none"> <li>• Chapter 6: Section - 6.1 Set Theory</li> <li>• Chapter 6: Section – (6.2 and 6.3) Set Operations</li> <li>• Chapter 5 : Section - (5.1 and 5.2) Sequences and Summations</li> </ul>
<b>#4</b>  <b>Assignments due:</b> July 21, 2019  <b>Quiz 3 due:</b> July 22, 2019	<ul style="list-style-type: none"> <li>• Chapter 5: Section - (5.2 and 5.3) Weak Induction</li> <li>• Chapter 5: Section - 5.4 Strong Induction</li> <li>• Chapter 5: (Section - 5.6, 5.7 and 5.9) Recursive Definitions</li> </ul>

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<p><b>#5</b> <b>Assignments due:</b> July 28, 2019</p>	<ul style="list-style-type: none"><li>• Chapter 9: Section-(9.2 and 9.3) Basic Counting Rules</li><li>• Chapter 9: Section-9.4 The Pigeonhole Principle</li></ul> <p><b>Midterm : 07/23/2019 – 07/27/2019 (Week 1- Week 4)</b></p>
<p><b>#6</b> <b>Assignments due:</b> August 04, 2019</p> <p><b>Quiz 4 due:</b> August 05, 2019</p>	<ul style="list-style-type: none"><li>• Chapter 9: Section- (9.2 and 9.5) Permutations and Combinations</li><li>• Chapter 9:Section - 9.6 Combinations with Repetition</li></ul>
<p><b>#7</b> <b>Assignments due:</b> August 09, 2019 <b>(no late submission allowed)</b></p> <p><b>Quiz 5 due:</b> August 09, 2019</p>	<ul style="list-style-type: none"><li>• Chapter 10: Section-10.1 Basic Graph Definitions and Properties</li><li>• Chapter 10: Section-10.2 Connectedness: Trails, Paths and Circuits</li><li>• Chapter 10: Section-10.7 Shortest Path Problem</li></ul>
<p><b># Final Week</b></p>	<p><b>Final Exam :08/10/2019 – 08/14/2019 (Week 1- Week 7)</b></p>