

CS 225_400/401: Discrete Structures in CS (Winter 2019)

Abbreviated Weekly Schedule:

To summarize, Assignments are due on Sundays and quizzes on materials covered in the prior weeks are due by Mondays (There will an exception in week 10). Please make sure that you have submitted the assignments and quizzes 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 th edition of the required textbook)
#1 Assignments due: January 13, 2019 Syllabus Quiz due: January 14, 2019	Chapter 2: Section – 2.1 Logical Form and Logical Equivalence Chapter 2: Section – 2.2 Conditional Statements
#2 Assignments due: January 20, 2019 Quiz 1 due: January 21, 2019	<ul style="list-style-type: none"> • Chapter 3: Section -3.1 Predicates and Quantified Statements • Chapter 4: Section – (4.1 to 4.4) Direct Proof
#3 Assignments due: January 27, 2019 Quiz 2 due: January 28, 2019	<ul style="list-style-type: none"> • Chapter 4: Section – (4.6 to 4.7) Contraposition and Contradiction • Chapter 6: Section - 6.1 Set Theory
#4 Assignments due: February 03, 2019 Quiz 3 due: February 04, 2019	<ul style="list-style-type: none"> • Chapter 6: Section – (6.2 to 6.3) Set Operations • Chapter 5 : Section - 5.1 Sequences and Sums

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<p>#5</p> <p>Assignments due: February 10, 2019</p> <p>Quiz 4 due: February 11, 2019</p>	<ul style="list-style-type: none"> • Chapter 5: Section - (5.2 to 5.3) Weak Induction • Chapter 5: Section - 5.4 Strong Induction
<p>#6</p> <p>Assignments due: February 17, 2019</p> <p>Quiz due: No quiz due to the midterm exam</p>	<ul style="list-style-type: none"> • Chapter 5: (Section - 5.6 to 5.7) Recursive Definitions
<p>#7</p> <p>Assignments due: February 24, 2019</p> <p>Quiz due: No quiz due to the midterm exam</p>	<p>Midterm : 02/17/2019 - 02/20/2019 (Week 1- Week 5)</p> <ul style="list-style-type: none"> • Chapter 9: Section-(9.2 and 9.3) Basic Counting Rules • Chapter 9: Section-9.4 The Pigeonhole Principle
<p>#8</p> <p>Assignments due: March 03, 2019</p> <p>Quiz 5 due: March 04, 2019</p>	<ul style="list-style-type: none"> • Chapter 9: Section- (9.2 and 9.5) Permutations and Combinations • Chapter 9:Section - 9.6 Permutations and Combinations with Repetition
<p>#9</p> <p>Assignments due: March 10, 2019</p> <p>Quiz 6 due: March 11, 2019</p>	<ul style="list-style-type: none"> • Chapter 10: Section-10.1 Basic Graph Definitions and Properties • Chapter 10: Section-10.2 Connectivity
<p>#10</p> <p>Assignments due: March 15, 2019</p> <p>Quiz 7 due: March 15, 2019</p>	<ul style="list-style-type: none"> • Chapter 10: Section -10.7 Shortest Path Problem
<p># Final Week</p>	<p>Final Exam :03/17/2019 – 03/20/2019 (Week 2- Week 10)</p>