

COP 3530- Data Structures and Algorithm Analysis
ONLINE COURSE SCHEDULE
Fall 2016



UNITS	DATES	TOPIC	READ/LISTEN/VIEW	TO DO
START HERE	08.22 - 09.04	Introduction to Course	Syllabus Course Schedule Instructor Introduction	<ul style="list-style-type: none"> • Post student intro • Hour of code • Skill Assessment
1	08.22 - 09.04	Optional... Software Development	Textbook Chapter 1 Slides Review Notes	<ul style="list-style-type: none"> • Optional • Hour of Code • Skill Assessment • Self-Assessment 1
2	08.22 - 09.04	Introduction to Abstract Data Types	Textbook Chapter 2 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 2
3	08.22 - 09.04	Data Structures and Abstract Data Types	Textbook Chapter 3 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 3 • Programming Assignment
4	09.05 - 09.05	OOP, ADT and Classes	Textbook Chapter 4 Textbook Slides	<ul style="list-style-type: none"> • Self-Assessment 4 • Programming Assignment
5	09.05 - 09.18	C++ Input/Output and String Classes	Textbook Chapter 5 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 5 • Programming Assignment
6	09.19 – 10.02	Lists	Textbook Chapter 6 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 6 • Programming Assignment • Test#1 (09/27/2016)
7	10.03 - 10.16	Stacks	Textbook Chapter 7 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 7 • Textbook Assignment • Programming Assignment
8	10.03 - 10.23	Queues	Textbook Chapter 8 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 8 • Programming Assignment
9	10.10 - 10.30	ADT Implementations: Templates and Standard Containers	Textbook Chapter 9 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 9 • Programming Assignment • Test#2 (10/27/2016)

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UNITS	DATES	TOPIC	READ/LISTEN/VIEW	TO DO
10	10.31 – 11.06	Recursion	Textbook Chapter 10 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 10 • Programming Assignment
11	10.31 - 11.25	Binary Trees and Hash Tables	Textbook Chapter 12 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 11 • Programming Assignments
12	11.14 – 12.06	Sorting and Run-Time Analysis	Textbook Chapters 13 Textbook Slides Review Notes	<ul style="list-style-type: none"> • Self-Assessment 12 • Programming Assignment • Final Exam (12/14/2016 Time: 7:45-10:15AM)