Course Home - Course Schedule

Print the course schedule.

Course Schedule and Assignments

WEEK	TOPICS	ACTIVITIES/ASSIGNMENTS All assignments are due at...	POINTS
WEEK 1	• Introduction to Computers and Programming • Basic elements a of C++ program • Data representation and reading data from the keyboard	• Lab 0 : **Due on the Sunday, March 23rd 11:59 pm** • Lecture review programming assignment : **Due on the Sunday, March 23rd 11:59 pm** • Quiz #1: **Due on the Sunday, March 23rd 11:59 pm**	• 5 pts • 10 pts • 10 pts
WEEK 2	• Write a simple C++ program that uses different data types and perform arithmetic operations. • Write C++ programs that need more than one input from the keyboard. • Trace a given C++ program that involves arithmetic operations, operator precedence rules, and type conversions.	• Lab 1 : **Due on the Sunday, March 30th 11:59 pm** • Homework #1 : **Due on the Sunday, March 30th 11:59 pm** • Quiz #2 : **Due on the Sunday, March 30th 11:59 pm** • Extra credit Program set I **: Due on the Sunday, March 30th 11:59 pm**	• 5 pts • 20 pts • 10 pts • 10 Bonus Points
WEEK 3	• Understand a simple C++ program that uses decision making C++ constructs • Use appropriate selection statement in writing a C++ program to a new problem • Trace a given C++ program that uses decision making statements and determine the output	• Lab 2 : **Due on the Sunday, April 6th 11:59 pm** • Homework #2 : **Due on the Sunday, April 6th 11:59 pm** • WK3_LectureReviewQuiz1 : **Due on the Sunday, April 6th 11:59 pm** • WK3_LectureReviewQuiz2 : **Due on the Sunday, April 6th 11:59 pm** • WK3_LectureReviewQuiz3 : **Due on the Sunday, April 6th 11:59 pm**	• 5 pts • 20 pts • 6 pts • 4 pts • 4 pts
WEEK 4	• More about selection statements in C++ • Applications of if-else and switch-case	• Midterm I : **Due on the Sunday, April 13th 11:59 pm**	• 75 pts

	statements. • Repetition and fundamental concepts behind repetition • while-loops	• Lab 3 : **Due on the Sunday, April 13th 11:59 pm** • Homework #3 : **Due on the Sunday, April 13th 11:59 pm**	• 5 pts • 20 pts
WEEK 5	• More about while-loops • for-loops and do-while loops • File read and write operations using loops • Arrays and basic array operations • Max and min finding in arrays	• Lecture Review Quiz 1 : **Due on the Sunday, April 20th 11:59 pm** • **Lecture Review Quiz 2: Due on the Sunday, April 20th 11:59 pm** • Lab 4 : **Due on the Sunday, April 20th 11:59 pm** • Lab 5 : **Due on the Sunday, April 20th 11:59 pm** • Homework #4 : **Due on the Sunday, April 20th 11:59 pm**	• 6 pts • 6 pts • 5 pts • 5 pts • 20 pts
WEEK 6	• Sequential search algorithm • Problem solving using functions • Writing functions and use them in a C++ program • Function parameter passing (pass by value and pass by reference) • Scope of variable.	• Homework #5 : **Due on the Sunday, April 27th 11:59 pm** • Midterm 2 : **Due on the Sunday, April 27th 11:59 pm** • Lab 6 : **Due on the Sunday, April 27th 11:59 pm**	• 20 pts • 100 pts • 5 pts
WEEK 7	• Introduction to Object Oriented Programming and Objects • Design and implementation of Objects • Constructors, public and private members of objects • Using object in problem solving	• Lab 7 : **Due by Saturday, May 4th 11:59 pm** • **Homework #6: Due by Saturday, May 4th 11:59 pm**	• 5 pts • 20 pts
FINAL WEEK	• Course Summary	• Final Exam : **TBA**	• 100 pts