EXAM 3 REVIEW

It is worth 140 points (14% of your grade)

35 questions

Multi-choice, short answer (short coding), T/F

You will need to focus on:

Binary Trees

What are they?

Benefits of them

Creating

Searching

Printing

Lists

Stacks

Queues

Differences?

Uses?

Benefits?

Sorting algorithms

Types?

Efficiency / effectiveness?

Identifying sort code you’ve never seen

ADTs (structures)

Why use them?

Accessing sub-types

Defining, Creating, Printing, Passing to functions

Enum types

Functions

Defining

Prototypes

Function Pointers

Recursion

Pointers

Defining, using, passing

Pointer math

Pointers to pointers (multiple pointers)

Arrays

Defining

Searching

Sorting

Makefiles

Big O Notation

Java

Object Oriented programming concepts

Encapsulation

Instantiation

Attributes and behaviors

NO Java code specifically

Parsing

C Preprocessor

Function Pointers

Testing Strategies – unit testing, data testing, limits testing, user acceptance testing, environment testing, system testing, integration testing, etc.

IDEs – what are they? What are they used for? How to use them?

And of course everything you learned in CS1050