

Exam 2 Review Guide – CMPSC 313

Exam 2 is Wednesday November 19 from 6:00 to 7:30 PM. Exams can be administered early if the room is open. Expect a mix of short answers, multiple choice, and free-form programming questions, where you will be provided with sample input and sample output.

Topics of note include:

- Understand arrays (both single and multi-dimensional)
 - With multi-dimensional arrays, understand the difference between row-major and column-major ordering)
- Understand recursion and functions in general, and be sure to be able to demonstrate examples of each
- Understand dynamic memory allocation and uses of it in MIPS programs:
 - Structs
 - Linked Lists
 - Objects
- Understand branch/jump tables and uses of them in MIPS programs:
 - Objects
 - Case Statement
- Understand how to implement File I/O in MIPS programs