16.216: ECE Application Programming
Spring 2013

Lecture 31: Key Questions
April 22, 2013

1. Explain how structures are passed to and returned from functions.

2. **Example:** Write the following functions that use the `StudentInfo` structure
- Given a pointer to a single `StudentInfo` variable, print all of the student info to the screen using the following format:
  - `Michael J. Geiger`
  - `ID #12345678`
  - `GPA: 1.23`

- Given an array of `StudentInfo` variables, compute and return the average GPA of all students in the list

- Prompt the user to enter 3 lines of input (using the format below), read the appropriate values into `StudentInfo` elements, and return a value of type `StudentInfo`
  - Format (user input <u>underlined</u>)
  - `Enter name:` <u>`Michael J. Geiger`</u>
  - `Enter ID #:` <u>`12345678`</u>
  - `Enter GPA:` <u>`1.23`</u>