

# **16.317: Microprocessor Systems Design I**

Fall 2013

## Lecture 2: Key Questions

September 6, 2013

1. Briefly describe the role of an ISA. What information specified in the ISA is required to translate a high-level statement such as `x[i] = i * 2;` to assembly language?

2. What types of operations should a processor be able to perform?

3. What are the two major concerns when dealing with data on a microprocessor?

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6. What characteristics do we want storage media to have?

7. Describe the basic characteristics of processor registers.

8. Describe the basic characteristics of processor memory.