

CSI 5338
MWF 10:00-10:50

Advanced Computer Organization

Spring 2006
North Village 4126

Instructor: Peter M. Maurer

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Office Hours: 8:00 - 12:00 M-F except 10:00-11:00 MWF.

Text: Computer Architecture, A Quantitative Approach, 3rd edition, Hennessy & Patterson

Course Topics:

- Pipelining Principles
- Price/performance
- Other fundamental issues
- Instruction-set design principles
- Instruction-level parallelism
- Memory hierarchy
- Multiprocessors and Multicomputers
- I/O Storage Systems
- Interconnection Networks

Exams:

- Test #1: Feb. 13 - 25%
- Test #2: Mar. 27 - 25%
- Test #3: Friday, May 5, 98:00-11:00AM 25%
- Term Paper: 25%

