Course content:

2. Multiprocessors: structure, classification, interconnections. Week 2, 9/10
3. Multiprocessors: software and OS. Week 3, 9/17
4. Multiprocessors: design problems, cache coherency. The MESI Protocol. Weeks 4, 5, 9/24, 10/1
5. Multicore chip systems. Weeks 6, 8, 10/8, 10/22
6. EPIC – Explicitly Parallel Instruction Computing. Week 9, 10/29
7. Examples of actual multiprocessors. Week 10, 11/5
8. Current topics of research in Computer Architecture. Student seminars. Weeks 11 - 14, 11/12, 19, 12/10

Literature:

No required textbook. Recommended reading:

Grading policy:

1. Midterm 1: Th Oct. 15, 2009 (35%). Week 7
3. Term paper presentation (30%) to be scheduled for each student individually.
Final written report to be submitted at the time of presentation.