CS 11726: Parallel Processing
Fall 2010

Instructor: Hicham G. Elmongui, Ph.D.

Required Textbooks:
- Introduction to Parallel Computing. Addison Wesley, ISBN: 0-201-64865-2, 2003

Course Syllabus:
- Introduction to Parallel Computing
- Parallel Computing Platforms.
- Principles of Parallel Algorithm Design.
- Programming Shared Address Space Platforms (OpenMP, PThreads).
- Programming Message Passing Platforms (MPI).
- Map-Reduce Framework (original slides)
- Sorting Algorithms.

Policies:
- The course follows the Academic Regulations for VT-MENA graduate students.

Grading:
- Programming assignments 30%
- Final exam 70%