CS 5813-900
FORMAL LANGUAGES
Fall 2007

Instructor: Dr. C. Kim, EL 114, 325-4281, ckim@ou.edu.
Class Meetings: MW 4:30PM – 5:45PM, SEC P207.
Office Hours: MW 1:30PM – 2:45PM.
Prerequisites: CS 3823 (Theory of Computation).


Course Content: The course covers theory of formal languages, of mathematically modelling natural and artificial objects, events, and phenomena. Example topics include systems for linear objects such as Chomskian grammars, systems for nonlinear, multi-dimensional objects such as L-systems, picture/graph grammars, H-systems, and systems of biological/chemical computing. I plan to go over key concepts from the textbook briefly and present additional materials from a select set of technical papers. This is a seminar course in which student participation in the form of oral/written presentation and discussions is required.

Student Activities: A midterm exam (40%), an oral presentation (30%), and a written paper (30%). Details will be discussed in class.

Remarks:

1. Students are required to attend all class meetings.

2. Any student who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.