Instructor: Dr. C. Kim, DEH 253, ckim@ou.edu.

Class Meetings: TR 3PM – 4:15PM, SEC P209.

Office Hours: TR 1:30PM – 2:30PM.

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.

3. The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its faculty members. The results of these forms are important data used in the process of awarding tenure, making promotions, and giving salary increases. In addition, the faculty uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions. On-line evaluation of this course can be done at http://eval.ou.edu.