THEORETICAL FOUNDATIONS OF COMPUTING

CS3613 — Dr. Douglas R. Heisterkamp
CLB 106A (Stillwater), NCB 211 (Tulsa), ??? (OKC) — MSCS 207 or NCB 330
7:20-10:00 p.m. Tuesday — 744-6471
Spring 2006 — doug@okstate.edu

Primary Text (require): John Martin, *Introduction to Languages and the Theory of Computation*, 3th Edition, McGraw Hill, 2003. ISBN 0-07-232200-4

Recommended Text (optional): Michael Sipser, *Introduction to the Theory of Computation*, 2nd Edition, Thompson, 2005. ISBN 0-534-95097-3

Office Hours: 5:30-7:00 p.m. TR, other times available by appointment. Note: office hours on Tuesday may be held over in Tulsa when lecturing from Tulsa. See Webct for updates.

TA:Satoko Chika tba — email: satokoc@cs.okstate.edu
Office hours: 8:20-10:20 a.m. M,F, MSCS 222, Stillwater
4:00-6:00 p.m. W, Tulsa

Grading:

Quizzes	25%
Exam 1	25%
Exam 2	25%
Final Exam	25%

Grading Scale: for score x in

$90 \leq x$	A
$80 \leq x < 90$	B
$70 \leq x < 80$	C
$60 \leq x < 70$	D
$x < 60$	F

Dates:

Exam 1	**February 14**
Holiday – class does not meet	March 14
Exam 2	**April 4**
Last day to drop or withdraw from a course with a "W"	April 7
Last Class	April 28
Final Exam at 2:00-3:50 p.m., Tuesday	**May 2**

Quizzes: The lowest quiz or homework score will be dropped. Quizzes will be at the start of class with a probability of $1 - \frac{1}{2\pi}$ with the exceptions of exam days, dead week, and the first week of class.

Discussion: After the first break in each class period, I will randomly select two students to be *discussants*. You **do not** have to have the correct answer or completely "understand" all the material.

All that is required is that you have read the assigned parts of the chapter and tried to work the assignment exercises (a *reasonable attempt* – if you can not solve you should write out what you don't understand or what you would need answered in order to complete the problem). The exercises will be collected with a probability of $\frac{1}{2\pi}$. A well prepared discussants will receive an extra 5% on the next exam score. A completely unprepared discussant will be docked 5% on the next exam score. If you tell me that you are unprepared before the names are selected, then you will only received a 1% dock on the next exam. Average to poorly prepared discussants will received a bonus/penalty in the range from +3% to -3%.

Examinations: During an examination period, no communication of any kind about the exam (except with the instructor or proctor) is allowed.

Class account and Web page: The class home page is hosted on WebCT at `webct.okstate.edu`.

Collaboration: Discussion of concepts, ideas, and techniques is allowed. After discussion, each student must write up his/her own solution. Copying another person's work, in part or whole, is not allowed. Giving another student your work, in part or whole, is considered cheating as well. If you are unsure whether your collaboration is acceptable, speak with the instructor in advance. Students who do not comply with the described collaboration policy will receive a final grade of "F" for the course. Furthermore, the case will be reported to the appropriate institutional officials.

Disabilities act: If any student feels that he/she has a disability and needs special accommodations of any nature whatsoever, the instructor will work with you and the Office of Disabled Student Services, 326 Student Union, to provide reasonable accommodations to ensure that you have a fair opportunity to perform in this class. Please advise the instructor of such disability and the desired accommodations at some point before, during, or immediately after the first scheduled class period.

Syllabus Attachment: See *http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Spr.htm* for university wide syllabus attachment.