1. **Course Name:** Simulation  
   **Prerequisites:** COMP 1210/3000, INSY 3400  
   **Web site:** http://www.eng.auburn.edu/ie/courses/insy3420
2. **Instructor(s):** Jeffrey S. Smith  
   207 Dunstan Hall  
   jsmith@auburn.edu  
   844-1412  
   **Office Hours:** Tues. and Thurs. 8:00-10:00, Wed. 1:00-3:00 or by appointment  
   Volkan Ustun (T.A.)  
   114 Thomas Walter Center  
   ustunvo@auburn.edu  
   844-1408  
   **Office Hours:** TBD
3. **Course Time:** Mondays/Wednesdays: 9:00 a.m. – 9:50 a.m. (Lecture)  
   Thursdays: 12:30 p.m. – 3:00 p.m. (Lab Section 1)  
   Thursdays: 3:00 p.m. – 5:30 p.m. (Lab Section 2)
4. **Texts or Major Resources:**  
5. **Course Description:** Simulation procedures for solving complex systems analysis problems. Emphasis on random processes, model building, and construction of computer simulation models.
6. **Course Objectives:** Students should understand the basic concepts of simulation modeling and analysis and have experience developing simulation models in Excel and the simulation package *Arena*. In addition, students should have experience using simulation models to analyze complex systems.
7. **Course Requirements/Evaluation:** Students will be evaluated based on the following:  
<table>
<thead>
<tr>
<th>Description</th>
<th>Date</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm Exam</td>
<td>TBD – in lab period</td>
<td>20%</td>
</tr>
<tr>
<td>Arena Model 1</td>
<td>TBD – in lab period</td>
<td>15%</td>
</tr>
<tr>
<td>Arena Model 2</td>
<td>TBD – in lab period</td>
<td>15%</td>
</tr>
<tr>
<td>Final exam</td>
<td>Sat., May 5, 11:00 a.m. – 1:30 p.m.</td>
<td>25%</td>
</tr>
<tr>
<td>Course Project</td>
<td>Due 4/30/07</td>
<td>15%</td>
</tr>
<tr>
<td>Labs/Homework</td>
<td>Miscellaneous</td>
<td>10%</td>
</tr>
</tbody>
</table>


Homework and lab work will be important parts of the class and you should work alone on these unless otherwise stated. You can discuss certain aspects of the labs/assignments with your classmates, but you should complete these by yourself and turn in only your own work. Late homework will be penalized by 25% per day. The course project will be done in groups and will be discussed further at a later date.

8. **Class Policy Statements:** There will be no unannounced quizzes. Course attendance is recommended, but will not be evaluated as part of the course grade. Similarly, it is expected that students will materially participate in class discussions, but such participation will not be part of the formal evaluation.

9. **Disabilities:** Any student with a disability needing special accommodation should notify the instructor and contact Dr. Kelly Haynes, Director of the Program for Students with Disabilities, located in 1244 Haley Center.

10. **Academic Honesty:** All portions of the Auburn University student academic honesty code (Title X11) found in the Tiger Cub will apply to this class. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee. Violations include, but are not limited to:

    **Cheating on an examination** – This includes such things as copying from another’s paper, using unauthorized notes, calculators, etc., or giving or receiving unauthorized aid, such as trading examinations, whispering answers, passing notes, or using electronic devices to transmit or receive information.

    **Plagiarism** – This is using someone else's work without giving credit. It is, for example, using ideas, phrases, papers, laboratory reports, computer programs, data - copied directly or paraphrased - that you did not arrive at on your own. Sources include published works such as book, movies, web sites, and unpublished works such as other students’ papers or material from a research service. In brief, representing someone else's work as your own is academically dishonest. *The risk of plagiarism can be avoided in written work by clearly indicating, either in footnotes or in the paper itself, the source of any major or unique idea or wording that you did not arrive at on your own.* Sources must be given regardless of whether the material is quoted directly or paraphrased.

        *Copying another student's assignment and putting your name on it is plagiarism.*

    **Unauthorized collaboration** – This is working with or receiving help from others on graded assignments without the specific approval of the instructor. *If in doubt, seek permission from the instructor before working with others.* Students are encouraged to learn from one another: Form study groups and discuss assignments, but each assignment must be individual work unless specifically stated and turned in as a group assignment.

        You are encouraged to talk to one another about your assignments, however, all assignments must be done by the student(s) whose name is (are) on it!

    **Multiple submission** – This means using the same work to fulfill the academic requirements in more than one course. *Prior permission of the instructors is essential.*