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| Course Number | CS 6231 | Instructor | Li Yang |
| Course Title | Database Systems I | Credit Hours | 3 |

Instructor Home page <http://www.westga.edu/~lyang>

Course Goals

Database management systems (DBMSs) are an important component of most business and many user applications. In this course, we will discuss the key characteristics of a database system. Topics include an overview of database technology, data modeling, techniques for database schema design, an introduction to the relational model, SQL, and programmatic database access. Whenever possible, we will emphasize a breadth of topics and techniques to give students experience with a variety of DBMS methodologies and products.

Textbooks

Ramez Elmasri, Shamkant B. Navathe, *Fundamentals of Database Systems*, 5/E, Addison-Wesley, ISBN: 0321369572.

References

- M. Kifer, A. Bernstein, P. Lewis, *Database Systems An Application-Oriented Approach*, 2/E, Addison-Wesley, ISBN: 0321268458
- R. Ramakrishnan, J. Gehrke, *Database Management Systems*, McGraw Hill, ISBN:0072465638

Grading

Homework: 25%
Lab assignments: 25%
Tests: 50% (2 @ 25% each)

Grading scale: 90-100 A, 80-89.9 B, 70-79.9 C, 60-69.9 D, <60 F

Policies

- Academic integrity: Students are encouraged to discuss and help each other understand the materials covered in the class. However, **academic honesty is strongly required**. The assignments you submitted should be your **OWN** work or designated group work. Do not copy from other students or web resources or cheat in any way. When cheating is detected by the instructor, all people (regardless of the source or the executor) involved will fail this course. The incident will also be reported to the Office of Student Affairs so that they can determine if further disciplinary action is warranted. The University policies for handling Academic Dishonesty are found in the following documents:
 - The Faculty Handbook, sections 207 and 208.0401 <http://www.westga.edu/~vpaa/handrev/>
 - Student Handbook: "Rights and Responsibilities"; Appendix J. <http://www.westga.edu/handbook/>
- Attendance: I expect you to attend the class promptly and regularly.
- Lab assignments and homework should be turned in at the beginning of the class on the announced due date. No late work will be accepted.
- No makeup tests will be given unless in extreme circumstances, such as medical emergencies.
- Please **turn off** your cell phones and pagers during lecture time.

- Class participation is strongly encouraged. Please do not feel shy or afraid to ask questions. Your questions and views may help not only you, but also the other students better understand the subject. I will try my best to assist you in achieving the learning objectives of this course.
- Disability Services:
Any student sanctioned by the office of Disability Services must have a Student Disability Report and a Disabled Student Handbook available to share with the Faculty before any graded work is determined as to make appropriate arrangements as needed. For more information, please visit <http://www.westga.edu/~dserve/menu.html>.