COP 6730 – Transaction Processing Systems

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Objectives:
The objective of this course is to prepare the students for doing research or working in the areas of databases and transaction processing systems. Beside the lectures, which provide a broad base for understanding the technologies, each student will perform in-depth study on a specific topic.

Prerequisite:
COP4710 (Relational model, simple SQL, query processing). Background in operating systems and distributed systems is helpful.

Class Time:
Tuesday and Thursday 6:00 - 7:15PM, Room BA1 212.

Office Hours:
Tuesday and Thursday 5:00 – 5:50PM.

Class Notes:
Available at http://www.cs.ucf.edu/~kienhua/classes/.

Topics:
Transaction Processing Models  Transaction Processing Monitors
Isolation Concepts  Lock Implementation
Recovery  Transaction Manager Concepts
Transaction Manager Structure  Multidatabase Issues

Grading:
First test: 30%
Second test: 35%
Critical reviews: 20%
Project presentation: 15%

Final Exam: http://registrar.ucf.edu/exam/2014/fall (FIRM!)
Note: “+/-” grades will be used

Holidays:
Labor Day: Monday, September 01, 2014
Veterans Day: Tuesday, November 11, 2014
Thanksgiving: Thursday, November 27, 2014 – Saturday, November 29, 2014

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NOTE: As of Fall 2014, all faculty members are required to document students’ academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes, or as soon as possible after adding the course, but no later than August 27. Failure to do so will result in a delay in the disbursement of your financial aid. Please complete the first assignment at Webcourses@UCF (Convas) during the first week of class or as soon as possible after you add this course. This assignment is due August 23, 2014. To access the Convas, go to the myUCF portal (https://my.ucf.edu) and select the Webcourses@UCF button on the left side of the screen.