

## CS634 Architecture of Database

Fall 2009

Instructor: Prof. Patrick E. O'Neil, Dept. of CS, UMass/Boston

Office: Science 3/167 - UNIX Mail ID: poneil (from outside, poneil@cs.umb.edu)

Phone: 617-287-6468, Dept. Secretary: 617-287-6440, 6441, 6442

Home: 617-661-1054 (if busy, 617-354-6460) Wkdys & Wknds 9:30 AM to 10:00 PM

\*\*\* **PHONE MY HOME NUMBER ANYTIME FOR ADVICE, ANSWERS, HELP** \*\*\*

Class Hours: Mon and Wed 4:00 to 5:15 PM, Room M-2-428

Office Hours: Mon and Wed 5:50 to 6:50 PM & after class. Or phone for special arrangements

**Grader:** Weiwei Gong, email: wwgong@cs.umb.edu

Prerequisites: CS630 or demonstrated knowledge of the material in that course; If you have not had CS630, see me for permission to take this course. Undergraduates must have taken CS310.

Text: Patrick O'Neil & Elizabeth O'Neil, "Database: Principles, Programming and Performance," Morgan Kaufmann, 2nd Ed, 2nd Printing, 2001 (First Edition without Elizabeth O'Neil is too old).

**Course Web Page** at: [www.cs.umb.edu/cs634](http://www.cs.umb.edu/cs634), with **Corrections** you can access by clicking on the label with that name. **YOU WILL NEED TO UPDATE YOUR TEXT WITH CORRECTIONS!**

Topics covered: The object of the course is to introduce the concepts needed by a Database Administrator (DBA), who maintains and runs a Database Management System for a commercial enterprise. CS634 will continue the coverage of CS630 by presenting Chapters 7 through 11.

Grading: Breakdown of grades (total of 150 points)

-> Homeworks (programs and handwritten), drop lowest one: 15 points

You will receive a few program projects using C and Oracle. Some of the assignments will be theory questions that do not require programs. **You must turn in all but one (dropped) assignment.** I will try as hard as possible to make the exams reflect the lessons learned from the homework assignments.

-> Three Exams, drop lowest one: 135 points total

There will be three exams (one dropped), for a total of 135 points. The first two will be in-class exams and the third exam will be given during final exam period; the lowest grade will be dropped from the three equal graded exams, so you can skip the final if you have an A average going in.

Missing an Exam: If you miss an exam that will be an exam grade dropped. **I will NOT GIVE MAKE-UP EXAMS.**

**Incomplete:** If you miss crucial graded events you will receive an F unless you are in good standing (at least a "C") with previous assignments and two Exams, in which case I will examine you orally on the Final Exam material. It is your responsibility to contact me for this. The only way to receive an incomplete is a true emergency (documented) and a "C" standing up to then.

**NOTE WITHDRAWAL DATE:** The University requires that you withdraw from the course by Thursday, November 12, 2009, or receive a grade for the course.

**TO BEGIN:** Go apply for the course cs634 in the UNIX terminal room **even if you already have a UNIX ID**; this will give you an ID on a machine that runs ORACLE.