

University of Illinois at Chicago
ACTG / IDS 475 – DATABASE ACCOUNTING SYSTEMS
COURSE SYLLABUS
Fall Semester 2008

INSTRUCTOR

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PREREQUISITES

Actg 211 and IDS 200 or equivalents (ACTG 474 recommended)

TEXTBOOKS & MATERIALS

- a. [Perry & Schneider: *Building Accounting Systems Using Access 2003*, South-Western, 2005 \(PS in syllabus\) or a used copy of the older edition of this text, *Access 2002*.](#)
- b. ACTG 475 course packet

COURSE DESCRIPTION

This course teaches conceptual, analytical and technical skills necessary to work efficiently and productively as an accountant in a computerized business information environment. We focus on:

- Data mapping tools to effectively describe and design accounting data environments.
- Detailed reviews the major transaction cycles in a computerized environment and how they interlink.
- Building accounting data models and translating those models into relational database tables.
- Building and using accounting databases in MS Access.
- An introduction to enterprise resource planning.

HOMEWORK POLICIES

FOR FULL CREDIT HOMEWORK ASSIGNMENTS ARE TO BE SUBMITTED, PROPERLY LABELED, TO THEIR RESPECTIVE LINKS UNDER THE ASSIGNMENTS LINK ON THE COURSE BLACKBOARD SITE **BY MIDNIGHT** (UNLESS OTHERWISE STATED) OF THE DUE DATE. LATE HOMEWORK WILL BE GIVEN 50% CREDIT FOR UP TO A WEEK LATE.

Exceptions to these policies will be made only upon prior approval by the instructor.

Note: If you are using Access 2007 you will have to save and submit your databases in 2003 format.

PUT YOUR NAME ON THE DOCUMENTS YOU SUBMIT!

CLASSROOM POLICIES

Attendance

Late arrivals and early departures from class are disruptive and unwelcome. If you come to class late, especially in our computer lab sessions, you will frequently be too far behind to follow the remainder of the class and you will miss announcements, handouts and homework tips. If you are ill or have a family emergency contact me and make arrangements to make up what you missed. Exams in other classes are not an excuse for absences from this course. Exams are scheduled well in advance, so plan ahead. If you cannot make the commitment to be on time and present at all of our classes then please drop the course and take it in a semester when you can.

Laptops & Cell Phones

Turn them off before coming to class.

UIC Email Forwarding

Many times during the semester I will be sending the class email messages. These messages will alert you to any changes in lab or lecture classes, and updates on homework assignments. It is essential that you receive these messages. If you use an email account other than your UIC account, forward your UIC account to your main account. This is easily done over the UIC homepage ACCC email link.

EXAMS

There is only one exam during the semester. It is a midterm exam that covers all material in the readings and lecture notes up to the midterm exam. **MAKE-UP EXAMS WILL NOT BE GIVEN UNLESS PRIOR NOTIFICATION IS GIVEN AND THERE IS A LEGITIMATE, DOCUMENTED REASON FOR MISSING THE SCHEDULED EXAM.**

Note: Exams in other courses – Evening courses have scheduling priority. If another of your courses schedules an exam at our class time they must provide you with a conflict exam. Do not miss our class to take an exam in another class.

UIC HONOR CODE

As a student in the College of Business Administration, you are subject to the following Honor Code:

As an academic community the College of Business Administration at the University of Illinois at Chicago is committed to providing an environment in which teaching, learning, research, and scholarship can flourish and in which all endeavors are guided by academic and professional integrity. All members of the college community – students, faculty, staff, and administrators – share the responsibility of insuring that high standards of integrity are upheld so that such an environment exists.

In pursuit of these high ideas and standards of academic life, as a student I hereby commit myself to respect and uphold the University of Illinois at Chicago (UIC) College of Business Administration Honor Code during my entire matriculation at UIC. I agree to maintain the highest moral and ethical standards in all academic and business endeavors and to conduct myself honorably as a responsible member of the college academic community. This includes the following:

- Not to seek unfair advantage over other students, including, but not limited to giving or receiving unauthorized aid during completion of academic requirements;
- To represent fact and self truthfully at all times;
- To respect the property and personal rights of all members of the academic community.

Honor Code implications for Accounting 475 include, but are not limited to, the following:

- You may not obtain any assistance during an exam from any person or material.
- All assignments handed in must be your own work. Although you may discuss approaches to doing assignments with other students currently enrolled in the class, you must complete them individually. You may not obtain assistance from anyone not currently enrolled in the course.
- You may question the grading of any assignment, however, any alteration of a graded assignment that is then misrepresented as the original work will be considered a severe honor code violation. As will the claim that an assignment was handed in when it was not.

Sanctions for Honor Code violations range from failure on an assignment, to failure for the course, to expulsion from the university.

ASSIGNMENTS & GRADING

The course grades are based on a percentage of total points. Assignments are listed below. The usual point total for the course is given below; the actual total points this semester may vary slightly if there are any homework changes and additional points may be assigned as mini-homeworks. MS Excel and MS Access homework assignments are in **bold** font.

| Points | Item |
|--------|---------------------------------|
| 5 | Excel Database Homework |
| 5 | PS Chapter 2 Homework |
| 1 | Normalization Homework #1 |
| 5 | PS Chapter 4 Homework |
| 1 | ERD Homework #1 |
| 8 | ERD & Normalization Homework #2 |
| 5 | PS Chapter 5 Homework |
| 30 | Midterm |
| 5 | PS Chapter 6 Homework |
| 5 | PS Chapter 7 Homework |
| 5 | PS Chapter 10 Homework |
| 25 | Final Project |
| 100 | TOTAL |

| SESSION | DATE | COVERAGE |
|---------|----------------|---|
| 1 | Monday 8/25 | Lecture 1: Introduction to Actg 475 and Accounting Databases Lab 2: Excel Database Functionality Assignment: <i>Homework - Excel Database Project (due 9/8)</i> |
| -- | Monday 9/1 | NO CLASS – LABOR DAY HOLIDAY |
| 2 | Monday 9/8 | Lecture 1: Introduction to MS Access & Databases Assignment: Read PS Chapter 2 pp.47-71 (2002 pp. 51-76), PS Chapter 3 pp. 105-127 (2002 pp.111-135) Lab 2: Database Fundamentals & MS Access Database Queries Assignment: Read PS Chapter 2 pp.72-100 (2002 pp. 77-107) and the Database Reading (pp.142-151) <i>Homework – PS Chapter 2 (due 9/15)</i> |
| 3 | Monday 9/15 | Lecture 1: Relational Databases Assignment: Database Reading (pp. 151 – 162 & Appendix B) and PS Chapter 3 pp.127-134 (2002 pp.135-143) Lecture 2: Relational Databases - Normalization Assignment: Read the Normalization Reading (PS Chapter 3 pp. 134-142 (2002 pp.143-150) for an alternate explanation) <i>Homework – Normalization Homework #1 (due 9/22)</i> |
| 4 | Monday 9/22 | Lecture 1: Relational Databases – Normalization Lab 2: Table Construction and Queries in MS Access Assignment: Read PS Chapter 4 <i>Homework – PS Chapter 4 (due 9/29)</i> |
| 5 | Monday | Lecture 1: Data Modeling & Entity Relationship Diagrams (ERD) – Maximum Cardinalities Assignment: Data Modeling Reading |

| SESSION | DATE | COVERAGE |
|----------------|-----------------|---|
| | 9/29 | Lecture 2: Data Modeling & Entity Relationship Diagrams (ERD) – Minimum Cardinalities Assignment: Homework – ERD Homework #1 (due 10/6 at 6:00 pm – cannot be late!) |
| 6 | Monday 10/6 | Lecture 1: Data Modeling & Entity Relationship Diagrams (ERD) Assignment: Homework – ERD & Normalization homework #2 (due 10/13 at 6:00 pm – cannot be late!) Lab 2: MS Access Forms & Reports Assignment: Read PS Chapter 5 – MS Access Forms & Reports Homework – PS Chapter 5 (due 10/20) |
| 7 | Monday 10/13 | Lectures 1& 2: Data Modeling & Entity Relationship Diagrams (ERD) – Implementing an ERD |
| 8 | Monday 10/20 | MIDTERM EXAM |
| 9 | Monday 10/27 | Lecture 1: Midterm Exam Review Lab 2: MS Access & The Revenue Cycle Assignment: Read PS Chapter 6 Homework – PS Chapter 6 (due 11/3) |
| 10 | Monday 11/3 | Lecture 1: MS Access & The Revenue Cycle Lab 2: MS Access & The Expenditure Cycle Assignment: Read PS Chapter 7 Homework – PS Chapter 7 (due 11/10) |
| 11 | Monday 11/10 | Lecture 1: Automating Databases in MS Access Assignment: Read PS Chapter 10 Homework – PS Chapter 10 (due 11/17) Lecture 2: Introduction to ERP Final Project Introduction Assignment: Final Project Schema (due 11/17 at 6:00 pm – cannot be late!) Final Project – Due MONDAY DECEMBER 8 at 6:00 PM |
| 12 | Monday 11/17 | Lecture/Lab: Final Project |
| 13 | Monday 11/24 | Lab: Final Project |
| 14 | Monday 12/1 | Lab: Final Project |

| SESSION | DATE | COVERAGE |
|----------------|-------------------------------|---|
| 1 | Wednesday 8/27 | Lecture 1: Introduction to Actg 475 and Accounting Databases Lab 2: Excel Database Functionality Assignment: <i>Homework - Excel Database Project (due 1/28)</i> |
| -- | Wednesday 9/3 | NO CLASS – LABOR DAY HOLIDAY |
| 2 | Wednesday 9/10 | Lecture 1: Introduction to MS Access & Databases Assignment: Read PS Chapter 2 pp.47-71 (2002 pp. 51-76), PS Chapter 3 pp. 105-127 (2002 pp.111-135) Lab 2: Database Fundamentals & MS Access Database Queries Assignment: Read PS Chapter 2 pp.72-100 (2002 pp. 77-107) and the Database Reading (pp.142-151) <i>Homework – PS Chapter 2 (due 2/4)</i> |
| 3 | Wednesday 9/17 | Lecture 1: Relational Databases Assignment: Database Reading (pp. 151 – 162 & Appendix B) and PS Chapter 3 pp.127-134 (2002 pp.135-143) Lecture 2: Relational Databases - Normalization Assignment: Read the Normalization Reading (PS Chapter 3 pp. 134-142 (2002 pp.143-150) for an alternate explanation) <i>Homework – Normalization Homework #1 (due 2/11)</i> |
| 4 | Wednesday 9/24 | Lecture 1: Relational Databases – Normalization Lab 2: Table Construction and Queries in MS Access Assignment: Read PS Chapter 4 <i>Homework – PS Chapter 4 (due 2/18)</i> |
| 5 | Wednesday 10/1 | Lecture 1: Data Modeling & Entity Relationship Diagrams (ERD) – Maximum Cardinalities Assignment: Data Modeling Reading Lecture 2: Data Modeling & Entity Relationship Diagrams (ERD) – Minimum Cardinalities Assignment: <i>Homework – ERD Homework #1 (due 2/25 at 6:00 pm – cannot be late!)</i> |
| 6 | Wednesday 10/8 | Lecture 1: Data Modeling & Entity Relationship Diagrams (ERD) Assignment: <i>Homework – ERD & Normalization homework #2 (due 3/3 at 6:00 pm – cannot be late!)</i> Lab 2: MS Access Forms & Reports Assignment: Read PS Chapter 5 – MS Access Forms & Reports <i>Homework – PS Chapter 5 (due 3/10)</i> |
| 7 | Wednesday 10/15 | Lectures 1& 2: Data Modeling & Entity Relationship Diagrams (ERD) – Implementing an ERD |
| 8 | Monday 10/20 | MIDTERM EXAM – (no class Wednesday) |
| 9 | Wednesday 10/29 | Lecture 1: Midterm Exam Review Lab 2: MS Access & The Revenue Cycle Assignment: Read PS Chapter 6 <i>Homework – PS Chapter 6 (due 3/31)</i> |
| 10 | Wednesday | Lecture 1: MS Access & The Revenue Cycle |

| <i>SESSION</i> | <i>DATE</i> | <i>COVERAGE</i> |
|----------------|--------------------|--|
| | 11/5 | Lab 2: MS Access & The Expenditure Cycle Assignment: Read PS Chapter 7 <i>Homework – PS Chapter 7 (due 4/7)</i> |
| 11 | Wednesday 11/12 | Lecture 1: Automating Databases in MS Access Assignment: Read PS Chapter 10 <i>Homework – PS Chapter 10 (due 4/14)</i> Lecture 2: Introduction to ERP Final Project Introduction Assignment: Final Project Schema (due 4/14 at 6:00 pm – cannot be late!) Final Project – Due MONDAY MAY 5 at 6:00 PM |
| 12 | Wednesday 11/19 | Lecture/Lab: Final Project |
| 13 | Wednesday 11/26 | Lab: Final Project |
| 14 | Wednesday 12/3 | Lab: Final Project |