Pages / Syllabus

temp

Created by ZHENHUI LI just a moment ago

IST210 Organization of Data

Syllabus	Announce	Schedule	Project	FAQ

Teaching Team

Instructor: Zhenhui Jessie Li

Office: 307B IST Building

Office Hours: 11:00AM-12:00PM Tuesday, or by appointment

Email: JessieLi@ist.psu.edu

Course Information

Course Number: IST 210

Credits: 3

Lecture Time: 9:45 AM - 11:00 AM Tuesday and Thursday

Location: 110 IST Building

Textbook

Database Concepts, 6th Edition, David Kroenke and David Auer, Prentice Hall

(Textbook is NOT a must for our course. If you can follow up the lectures, no need to buy one.)

Course Description

IST 210 brings databases to life with a unique approach that focuses not only on constructing databases and using database tools, but also the implications of data uses and issues. This is an introductory course used to teach the fundamentals and basic principles of databases and their related technologies. Throughout this course, students will explore the areas that are fundamental to the design, development, and implementation of enterprise wide information systems. Throughout their exploration, students will develop an understanding of the social, ethical, and legal issues surrounding such implementations.

Course Objectives

- Understand the importance of data, databases, and database management
- Learn relational model and normalization
- Learn Entity-Relationship Diagram and how to design a database
- Learn how to query database using SQL
- Learn HTML, PHP and implement a website connecting with database

Course Prerequisites

IST 110

Examination Policy

One Mid-term and one Final Exam.

Grading Policy

Assignment	15% (3%*5)
Exam	40% (15% Midterm, 25% Final Exam)
Project	35% (3%*5 report, 10% final presentation and 10% final report)
Lab	5%
Class Attendance	5%

Late submission policy:

Submissions after the deadline but less than 24 hours late are accepted but penalized 10%, and submissions more than 24 hours but less than 48 hours late are penalized 30%. No submissions are accepted more than 48 hours late.

Final grading:

Score	Grade
93	A
90	A-
87	B+
83	B
80	B-
77	C+
73	C

This table indicates minimum guaranteed grades. Under certain limited circumstances (e.g., an unreasonably hard exam), we may select more generous ranges or scale the scores to adjust.

Attendance Policy

Attending class is required. Your class participation will count 5% of your final course grade.

Academic Integrity

Individual assignments must be completed independently. Students are strongly encouraged to form study groups and to learn from peer students. However, discussion on homework questions in study group should be limited to general approaches to solutions. Specific answers should never be discussed. Penn State's policy regarding Academic Integrity must be followed.

According to the Penn State Principles and University Code of Conduct: Academic integrity is a basic guiding principle for all academic activity at Penn State University, allowing the pursuit of scholarly activity in an open, honest, and responsible manner. In according with the University's Code of Conduct, you must not engage in or tolerate academic dishonesty. This includes, but is not limited to cheating, plagiarism, fabrication of information or citations, facilitating acts of academic dishonesty by others, unauthorized possession of examinations, submitting work of another person, or work previously used without informing the instructor, or tampering with the academic work of other students. Any violation of academic integrity will be investigated, and where warranted, punitive action will be taken. For every incident when a penalty of any kind is assessed, a report must be filed.

*Plagiarism (Cheating): Talking over your ideas and getting comments on your writing from friends are NOT examples of plagiarism. Taking someone else's words (published or not) and calling them your own IS plagiarism. Plagiarism has dire consequences, including flunking the paper in question, flunking the course, and university disciplinary action, depending on the circumstances of the offense. The simplest way to avoid plagiarism is to document the sources of your information carefully.

Schedule

Week	Date	Lecture	Notes	Assignments	Programming Assignments (a.k.a. lab)	Project
1	1/12	**Course Intro & Intro to Database (Ch. 1)**	0-classintro.pptx 1-introDB.pptx Exercise.xlsx	Assign 1 Intro to DB		
	1/14	HTML basics (P1)	p1-html.pptx p1-html-lab.pptx		Lab 1	
2	1/19	PHP basics (P2)	Regular drop deadline (1/20)	Assign 1 due (11:59pm, 11/20 Wednesday)	Lab 2	
	1/21	IF/ELSE and LOOP (P3)	Regular add deadline		Lab 3	

		(1/21)				
3	1/26	**Relational Model I (Ch.2)**				
	1/28	**Relational Model II (Ch.2)** Project idea and group forming		Assign 2 Relational Model		Report 1: Project Description
4	2/2	PHP array and HTML table (P4)		Assign 2 due	Lab 4	
	2/4	**SQL I (Ch. 3)**		Assign 3-1 SQL Tables		Report 1 due (9/18 Thurs)
5	2/9	**SQL II (Ch. 3)**		Assign 3-1 due		
	2/11	**SQL III (Ch. 3)**		Assign 3-2		
6	2/16	Project Report 1 Discussion		Assign 3-2 due		
	2/18	Midterm Review				
7	2/23	Midterm				
	2/25	HTML form (P5)				
8	3/1	**Data Modeling and** **the ER Model I (Ch. 4)**				
	3/3	**Data Modeling and** **the ER Model II (Ch. 4**)		Assign 4 E-R Model		Report 2 E-R Model
9	3/6-12	spring break				
10	3/15	Review of midterm exam Project Report 2 Discussion				
	3/17	PHP and SQL Server: Connect (P6)		Assign 4 due		Report 2 due
11	3/22	**Database Design I (Ch.5)**				
	3/24	**Database Design II (Ch.5)**		Assign 5 Database Design		Report 3

12	3/29	Project Report 3 Discussion				
	3/31	PHP and SQL Query (P7)		Assign 5 due		Report 3 Due Report 4
13	4/5	Project Report 4 Discussion				
	4/7	User Log In (P8)	Late drop deadline (4/8)			Report 4 due Report 5
14	4/12	Project Report 5 Discussion				
	4/14	Project Time				Report 5 due
15	4/19	Project Time				
	4/21	Project Presentation				Final presentation
16	4/26	Best Team Announce and Final Exam Review				Final report due
	4/28	No class				
17	5/2-6	**Final Exam**				

Like   Be the first to like this   No labels