CS 1555/2055: Database Management Systems (Fall 2022)
Department of Computer Science, University of Pittsburgh
Course Reference Number: 15600 (CS1555), 15601 (CS2055)

When: Fall 2022 (Term 2231 or 23-1)

What & Where:

Lectures: Tuesday & Thursday, 11:00am – 12:15 pm @ 5129 Sennott Square

Recitations:
Friday 09:00 – 09:50am @ 6110 Sennott Square (CRN# 15603 & 15602)
Friday 11:00 – 11:50am @ 6110 Sennott Square (CRN# 15604 & 16129)

Instructor: Dr. Panos K. Chrysanthis

Email: panos@cs.pitt.edu
Office: 6421 Sennott Square
Web: https://panos.cs.pitt.edu/

Office hours: Tue, 2:30–4:00 pm
Thu, 2:30–4:00 pm
by appointment

Recitations Instructor & TA: Brian Nixon

Email: cs1555-staff@cs.pitt.edu
Office: 6414 Sennott Square
Web: https://people.cs.pitt.edu/∼btn10/

Office hours: Mon, 2:00–4:00 pm
Wed, 9:00–11:00 am, 3:00–4:00 pm
Fri, 4:00–5:00 pm
by appointment

Course Description: There are two principle objectives for this course. First, to introduce the fundamental concepts necessary for the design and use of a database, as well as the new trends (SQL vs. NoSQL). Second, to provide practical experience in applying these concepts using commercial database management systems.

Prerequisites: A grade of C or better in CS 0441, CS 0445 and CS 1501 is required. Working knowledge of Java and familiarity with Unix are assumed.

Course Material & Web Page: http://db.cs.pitt.edu/courses/cs1555/current.term
All handouts and class notes will be accessible from Canvas and published on the class web page. You are expected to check this page frequently (at least twice a week).

Textbook: *Fundamentals of Database Systems, 7th Edition.* Ramez Elmasri and Shamkant B. Navathe, Pearson (c) 2016, 7th Edition (ISBN-13: 978-0-13-397077-7)

Reference: *PostgreSQL: The World's Most Advanced Open Source Relational Database* (www.postgresql.org)

Note on Email & Communication: To achieve the highest level of communication outside the classroom, we will use the **Campuswire** system for all questions and clarifications on lectures, recitations and assignments. *You should use email only for confidential matters.* For a confidential email to the instructor and the TA, you should send the email to **cs1555-staff@cs.pitt.edu**. If you have a confidential matter for the *instructor only*, then please email the instructor directly, but make sure to include the keyword cs1555 or cs2055 in the subject line of your email message. We will make every effort to respond to all email requests *within one business day* at the latest, and no email or Campuswire answers should be expected after hours or during the weekends. **Due to spam filtering, you should always try to use your pitt email address when sending email and include your full name.**

Mode of Instruction and Masking Mandate: Both lectures and recitations will be taught in-person. Masking rules on Pitt campuses will continue to follow CDC Community Levels: Under "high community level", *masking is required indoors* in all campus spaces; Under "medium or low community level," masking indoors is *not required but recommended*—with masking being strongly encouraged under medium community level. To find out the current mask status visit: pi.tt/level.

Dealing with the Unexpected If the instructor is not able to come to campus because of sickness but is able to teach the class/recitation, he will teach it synchronously on Zoom. Zoom links and passwords will be shared by email, on Campuswire and Canvas.

Also, if you are sick, you should not attend class/recitation that day and you are encouraged to take advantage of our office hours. You should consider building a good study relationship with your peers in this class, because that will help you make up for missing classes due to illness.

Course Grading:

Assignments & Project	35%	
Midterm Exam	30%	Thu., Oct. 20, 2022, 11:00pm – 12:15pm
Final Exam	30%	Tue., Dec. 13, 2022, 2:00pm – 3:50pm
Recitation & Class Participation	5%	

Grading Policy/Academic Integrity: The grade scaling will be computed based on the performance of the undergraduate students only. Graduate students will then be graded on this undergraduate scale.

Attendance and participation in lecture and recitation may be used to decide borderline grades.

Unless explicitly noted otherwise, the work in this course is to be done independently. Discussions with other students on the assignments should be limited to understanding the statement of the problems. Cheating in any way, including giving your work to someone else will result in an F for the course and a report to the appropriate University authority.

Marks can be appealed up to two weeks after they have been posted, after that no appeals will be considered.

Submission & Late Policy: All assignments must be submitted electronically and **there is no late submission**. A late assignment will be accepted *only* under special circumstances with the instructor's permission prior to its deadline and the instructor will determine any penalty in a fair manner.

Make-up Policy: Students are expected to take all three class exams: midterm exam, final exam and project demo exams. Make-up exams will only be given in the event of a medical situation or an emergency, and only if this is documented and the instructor is notified *immediately if in advance is not possible*. **Missing an exam will result in a zero for the exam/project**.

Students with Disabilities: If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services, 140 William Pitt Union, 412-648-7890 or 412-383-7355 (TTY) as early as possible in the term.

Religious Observance: In order to accommodate the observance of religious holidays, students should inform the instructor of any such days within the first two weeks of the term by email (Sept. 9).

Audio/Video Recording - Use of Cell Phones To ensure the free & open discussion of ideas, students may not record classroom lectures, discussion and/or activities without the advance written permission of the instructor, and any such recording properly approved in advance can be used solely for the student's own private use. Also, any use of Cell Phones during lectures is disruptive and is not permitted.

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