

# CSC 672: Database System Architecture

Spring 2022, SYLLABUS

## BASIC INFORMATION

**Instructor:** Dr. Lixin Fu

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**Home Page:** [http://www.uncg.edu/~l\\_fu](http://www.uncg.edu/~l_fu)

**Class Hours:** MW 2:00pm - 3:15pm, Petty 313

Other times: Please send email for appointment

**Prerequisite:** CSC 671 or equivalent

**Text Book:** Database System Concepts

by: Silberschatz, Korth, and Sudrashan, McGraw-Hill 7th Edition, 2020

[We have online version in Canvass "Files"]

PLEASE READ THE TEXTBOOK CHAPTERS **BEFORE** CLASS, WRITE DOWN YOUR QUESTIONS OR COMMENTS TO DISCUSS IN CLASS.

## COURSE CONTENTS

- Storage and indexing.
- Query processing and optimization.
- Transaction processing.
- Concurrency control.
- Recovery.

A tentative schedule is in "Files"

The slides are in <https://www.db-book.com/slides-dir/index.html>

## GRADING SCHEME

Three Homework assignments (each 10%): 30%

Two quizzes (each 5%): 10%

Test1: 20%

Test2: 20%

Test3: 20%

Homework assignments are due before the class on the due dates. Class attendance is required and participation is greatly encouraged.

## **ACADEMIC INTEGRITY POLICY**

**Academic Honor Policy will be strictly enforced.**

Please refer to <https://osrr.uncg.edu/academic-integrity/> for more details. Any infraction(s) will result in failure of the entire course and a reduced grade up to F.