

Computer Science 202 Database Systems

Barry Irwin

Course Admin

- One practical per week
- Structured tutorials will take place during Lecture sessions on an ad hoc basis
- Module test on Wednesday the 3rd of September
- There will be short sport tests during the duration of the course

Course Admin

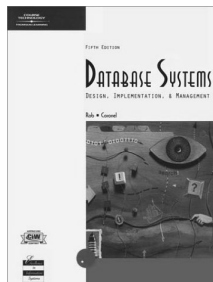
- Course website:
 - <http://www.cs.ru.ac.za/courses/CSc202/>
- Contains
 - practicals and solutions
 - Lecture slides will be provided online after course completion
 - PostgreSQL Reference Manual
 - Further Notes and references

Course Objectives

- Database Concepts
- Database Design and Modelling
- The differences between Entity Relation Analysis and Design (ERA/D) and Object Orientated Design (OOA/D)
- Concurrency and Transaction handling within Databases
- Structured Query Language (SQL)

Textbook

- Database Systems: Design, Implementation, and Management, **Fifth Edition** by *Peter Rob* and *Carlos Coronel*.
- Chapters 1 to 6, 9, 13 and 14 will be covered.
- Chapter outlines can be found on the course homepage



The Exam

This will be written as part of the three hour Computer Science 202 paper. The date of the exam will be set by the exams office, and published on the official exam timetable.

- Q. How much will SQL count in the exam ?
 - A. Typically between 33% and 40% of the database section.
- Q. What will be examined ?
 - A. The exam will cover the full syllabus, with a distinct split between SQL and Database Design and Theory, with the latter comprising 60-67% of the paper
- Q. How much does the database section count in the exam ?
 - A. 60 marks out of a total of 180. (This is confirmed in the Computer Science Handbook 2003 on page 33).