
Database Systems – 503002

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Contact information

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 - Documents & notes
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Course Contents

- Credits: 4
- W1: Database System Concepts & Architecture
- W2,3: Entity-Relationship Model
- W4,5: Relational Model
- W6,7: Structured Query Language (SQL)
- W8,9: Database Design Theory & Methodology
- W10,11: Data Storage, Indexing, Query Processing & Physical Design
- W12: Database Security
- W13: Emerging DB Technologies and Applications
- W14: Revision

Assessment

- **No** midterm exam
- **Assignment : 50%**
 - Assignment 1: DB Design, ER/EER Mapping – 15%
 - Assignment 2: DB Schema Implementation, Advance SQL/Triggers/Stored Procedures, etc. – 20%
 - Assignment 3: Applications – 15%
- **Presentation: bonus (10%, 1-2 times)**
- **Final exam: 50%**
 - **Close-book**
 - multi-choice & written.

References

- [1] R. Elmasri & S.B. Navathe (2011). ***Fundamentals of Database Systems***, 6th Edition, Addison-Wesley
- [2] N. Shah (2005). ***Database Systems Using Oracle – A Simplified Guide to SQL and PL/SQL***, 2nd Edition, Prentice Hall.
- [3] T. Connolly & C. Begg (2005). ***Database Systems – A Practical Approach to Design, Implementation, and Management***, 4th Edition, Addison-Wesley.

Q & A