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## Instructor

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## Course Description

This is an introductory course in the theory and application of System Development and Database Management Systems (DBMS). The course is split into a lecture component (2 hour/week) and a lab component (2 hours/week). The lecture will focus on theory and the lab will provide students with an opportunity for hands-on experience using the Microsoft ACCESS Relational DBMS for Windows.

The intent of the course is to provide students with enough theoretical background, practical skill and hands-on experience to make effective use of DBMS technology for business improvement. The focus is on practical knowledge - the theory will be presented at a basic, introductory level.

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## Course Goals

In this course we will explore the role of Database Management Systems (DBMS) in organizations and the relationship between DBMS and other Information Systems (IS) in organizations. Students will learn to describe a DBMS and its importance to organizations; identify the steps required in database design and development; develop a simple database system using Microsoft ACCESS; and use Microsoft ACCESS to perform a variety of data management tasks.

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## Evaluation

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| Assignments   | 45 %       |
| Midterm Exam: | 25 %       |
| Final Exam:   | 30 %       |
| TOTAL         | <hr/> 100% |

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## Text(s) and Equipment

Required:

Exploring Microsoft Access 97, Grauer & Barber, Prentice Hall, 1997