CSA 103  Introduction to Database

COURSE MEETING DATES:  8-30   9-13   9-27

Instructor:  Shawn Soper  Phone:  (402) 466-4774
Autumn Term 2012  Email:  shawn.soper@doane.edu

A course which develops an understanding of how information may be stored and manipulated on a microcomputer with the use of a database applications program. Through hands-on experience, students learn how to enter, manipulate, extract and created reports based on various kinds of data. Prerequisite: Computer Systems Applications 101, or permission. (1 Credit – Pass/Fail)

Course Objectives:  At the end of this course, the student should

1.  Be familiar with database design methodologies.
2.  Be able to create and edit a database.
3.  Know basic database design terminology.
4.  Be familiar with the tasks performed by a Database Administrator (DBA).
5.  Have a general understanding of how a database can be integrated into other software development projects.
6.  Know how to create user input forms.
7.  Be able to create basic generated reports.
8.  Understand the factors involved in the design and implementation of a business DBMS.

Required Course Texts

TBD
Week | General Topics To Be Covered
---|---
1 | Course Overview  
   | Introduction to Database Systems  
   | Basic Database Terminology  
   | Getting Started with Databases and Tables
2 | Forms and Reports  
   | Queries  
   | Tables, Converting a Database  
   | Building and Maintaining a Relational Database
3 | Course Review

**Grading:**

The student’s final grade will be determined as follows:

- 40% Course Assignments and Activities  
- 50% Final Exam  
- 10% Attendance and Participation

Students will need to have a final class score of 70% or above to be awarded a passing grade (P). Any final class scores below 70% will receive a failing grade (F).

**Classroom Procedure:**

The first 2 to 2 ½ hours of class will always be devoted to lecture. The remaining class time may be reserved for students to work on course assignments. Students are encouraged to make optimum use of this time, as your instructor will be readily available to answer any questions you might have. The only exceptions to this schedule may be on final exam or nights. Only students with excused absences will be allowed to take a make-up exam. Make-ups should be taken no later than one week after the exam date.

**Academic Integrity:**

The Doane Academic Integrity Policy will be adhered to in this class. All assignments and exams/quizzes will represent your own work. Any use of others’ ideas and words without proper citation of sources is plagiarism and could result in the loss of all points for that particular assignment or exam.

**Use of Personal Technology During Class:**

Please restrict your use of cell phones to outside of class time. The use of PDAs, Laptop Computers and any personal audio/visual devices are generally prohibited during class time unless approved by your instructor.

**Students with Disabilities/Reasonable Accommodations:**
Doane seeks to maintain a supportive academic environment for students with disabilities. To ensure your equal access to all educational programs, activities and services, federal law requires students with disabilities notify the college, provide documentation, and request reasonable accommodations. If you need accommodations in this course, please notify your instructor immediately so that the required documentation is filed, and that your accommodation plan is in place.

**Note:** The schedule outlined in this syllabus is tentative. All efforts will be made to adhere to it as closely as possible. However, your instructor reserves the right to make any changes to the schedule as needed.