

# Course Syllabus

**Course Title/Number:** ITC 220, Database Development For Programmers  
Fall Quarter 2009 - 5 credits

**Item:** 3206  
**Length of Course:** 11 weeks  
**Prerequisites:** MIC 101, and either MIC 110, ITC 110, CSC 110, or instructor permission.  
**Classroom & Time:** Lab Room #: 3180 Monday and Wednesday: 10:00AM - 12:15PM

**Instructor:** Calvin Stanford  
**Telephone:** 206-344-4342  
**E-Mail Address:** cstanford@sccd.ctc.edu  
**Web site:** <http://seattlecentral.edu/faculty/cstanford> or  
<http://seattlecentral.edu/~cstanford/>

**Office:** Office 5166

**Text:** No required text

**Recommended Materials:** A USB flash drive or similar device

**ADA:** If you need course adaptations or accommodation because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.

**Course Description:** This course is designed to provide programmers with an overview of database theory and systems. It will also provide hands on experience with relational databases using Microsoft Access and Structured Query Language.

**Educational Philosophy:** Learning is a shared experience. The connection and respect between students and faculty in the lab and classroom enhance the educational experience. I believe that each student is in the classroom because he or she wants to be and expects to have a positive learning experience. I will do everything I can to make this a positive experience and I expect the same from those attending.

**Course Contents:** This is a tentative outline of the topics to be covered in the following weeks and is subject to change. For the most recent updates regarding course materials, assignments and due dates, I strongly recommend visiting the class webpage frequently: <http://seattlecentral.edu/~cstanford/itc220/index.htm>

	Topic
Week 1:	Overview of databases and relational concepts
Week 2:	Relational Concepts; Beginning the design process
Week 3:	Relations. Keys, Dependencies, and Normalization
Week 4:	Normalization and entities
Week 5:	E-R Model; Design Model

	<b>(MS Visio)</b>
<b>Week 6:</b>	<b>Database Design - MS Access</b>
<b>Week 7:</b>	<b>MS Access (Continued)</b>
<b>Week 8:</b>	<b>Structure Query Language (SQL)</b>
<b>Week 9:</b>	<b>SQL (Continued)</b>
<b>Week 10:</b>	<b>Scenario work</b>
<b>Week 11:</b>	<b>Finals week</b>

**Instruction Method:** Combination of lecture/discussion and computer-lab work. Most of the classroom time will be working on scenarios and completing lab assignments. I will post the lab assignment instructions on the class webpage.

**Cheating:** Any type of cheating will result in a failing grade for the course and possible expulsion from the college. Cheating includes the following: looking in the direction of another student's quiz/exam, plagiarism, exchanging files, substituting a student's work for one's own, etc. Especially problematic is a student copying an assignment for someone else. Please don't do it!

**Withdrawals:** Students may officially withdraw from the course by Oct 12th without instructor permission.

***NOTE: It is the student's responsibility to do the proper paperwork when dropping the course. If the student stops attending classes but is still listed on the instructor's grade sheet, the student will receive 0.0 (failed) grade at the end of the quarter!***

**Grading and Attendance:** Regular attendance is crucial. Each lab session is action-packed and we will be covering a great deal of material. If you know ahead of time you will be absent, please let me know as soon as possible. The final percentile grade you receive will be based on the number of points you receive divided by the total of all possible points.

<b>Category</b>	<b>Total Possible Points</b>
<b>Participation/Attendance</b>	200
<b>Assignments</b>	1000
<b>Quizzes</b>	200
<b>Group Work</b>	300
<b>Total Possible Points</b>	1700

The final decimal grade will be determined by the following table:

<b>Percent</b>	<b>Grade</b>
<b>99.4 to 100</b>	4.0
<b>98.2 to 99.3</b>	3.9
<b>96.9 to 98.1</b>	3.8
<b>95.7 to 96.8</b>	3.7
<b>94.4 to 95.6</b>	3.6
<b>93.2 to 94.3</b>	3.5
<b>91.9 to 93.1</b>	3.4
<b>90.7 to 91.8</b>	3.3
<b>89.4 to 90.6</b>	3.2
<b>88.2 to 89.3</b>	3.1
<b>86.9 to 88.1</b>	2.9
<b>85.7 to 86.8</b>	2.8
<b>84.4 to 85.6</b>	2.7
<b>83.2 to 84.3</b>	2.6
<b>81.9 to 83.1</b>	2.5
<b>80.7 to 81.8</b>	2.4
<b>79.4 to 80.6</b>	2.3
<b>78.1 to 79.3</b>	2.2
<b>76.9 to 78.0</b>	2.1
<b>75.7 to 76.8</b>	2.0
<b>74.4 to 75.6</b>	1.9
<b>&lt; 74.4</b>	0