

Systems Implementation

Syllabus

About your instructor

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About this class

Beginning Date 1/16/2012
Number of Weeks 17

Course Description

Discusses the importance of and need for Systems Implementation and Support. Students design and implement relational databases and learn SQL.

Before you begin this course

A 'C' or better in Beginning RPG or Beginning COBOL.

A 'C' or better in Systems Design

Textbooks

Whitten & Bentley. *Introduction to Systems Analysis & Design*. Edition: 1st. Publisher: McGraw Hill. Year: 2008. ISBN: 0-07-340294-X. Pages: 610. Price: \$100. Required

Jim Cooper. *A Guide to SQL using DB2*. Edition: 1st. Publisher: 29th Street Press. Year: 2009. ISBN: 978-1-58304-123-9. Pages: 294. Price: \$50. Required

Core abilities this course will help you build

Act with integrity

Communicate effectively

Demonstrate effective critical and creative thinking

Demonstrate global and social awareness

Competencies this course will help you master

1. Understand database concepts
2. Understand a relational database model.
3. Complete a normalization of a database.
4. Complete an ERD.
5. Complete a logical and physical data model.
6. Use SQL Data Definition Language.
7. Use SQL to query a database.
8. Use SQL to update a database.
9. Implement a systems project

How your performance will be graded

Grading details

Your final grade will be determined from the following components:

| | |
|-------------|-----------|
| Check offs: | 15% |
| Assignment: | 10% |
| Tests: | 15% |
| SQL Test: | 25% |
| Project: | 25% |
| Peer Evals: | 10% |
| Portfolio: | Must have |

Grading scale

| | |
|----|-----------|
| A | 96 - 100% |
| A- | 92 - 95% |
| B+ | 88 - 91% |
| B | 84 - 87% |
| B- | 80 - 83% |
| C+ | 77 - 79% |
| C | 75 - 76% |
| C- | 73 - 74% |
| D+ | 72% |
| D | 71% |
| D- | 70% |
| F | Below 70% |

How to succeed in this course

Attendance Policy

Students must attend class regularly and actively participate in all class activities. Attendance will be taken. An absence is defined as being absent, tardy, or doing non-class work during class. If you are not in class, you will miss important information, thereby affecting your grade. Class lectures will not be repeated and it is your responsibility to make up any missed work. You should contact your "absence buddy" for notes on the day's lesson. If you have unexcused absences that equal a week's worth of class, I will refer you to Student Services. If you have two weeks of unexcused absences, you may be dropped from class.

Academic Integrity

The Mid-State Technical College Board, administration, faculty, and staff believe that academic honesty and integrity are fundamental to the mission of higher education. All students are expected to maintain and promote the highest standards of personal honesty and professional integrity. These standards apply to all examinations, assigned work, and projects. Therefore, a student who is found to have been dishonest, fraudulent, or deceptive in the completion of work or is willing to help others to be so or who is found to have plagiarized (presented the work of others as his or her own) is subject to disciplinary action up to and including suspension.

Referrals

Referrals to MSTC's Student Services may be made for inappropriate classroom conduct (including cheating), lack of academic progress or excessive absences. Disciplinary action, including being dropped from the course, will be taken for conduct issues.

Tutors

If you find that you are having trouble with this course and need to rely too heavily on other students for help, consider using the IT tutor. The IT tutor is there to help you learn the material so that you can be successful in this class. Don't wait until it's too late.

Core Abilities

In addition to specific job-related training, MSTC has identified a set of core abilities which are transferable and go beyond the content of a specific course. The college supports the following skills for all graduates of MSTC:

Act with Integrity

Communicate Effectively

Demonstrate Effective Critical and Creative Thinking

Demonstrate Global Social Awareness

In the professional world, your performance in the above core abilities is expected from the very first day of employment. Should you fail to succeed in any of these areas, it is difficult to regain your reputation. Any problems that arise during the semester with the core abilities can lead to a reduction in your final grade. This will be at the subjective discretion of the instructor.

ADA Statement

If you know you have a recognized disability, or suspect that you might have one, it is your responsibility to identify yourself as soon as possible to the Disability Services staff in Student Services. Course standards will not be lowered but various kinds of accommodations are available to you. Adequate and reasonable time will be required to develop and provide appropriate accommodations so contact Disability Services as soon as possible. It is MSTC's goal to assist you in your individual educational plan.

Check offs

Check offs will be due the class meeting assigned. Check offs will be graded on pass/fail basis. If you do not meet the criteria of the check off, the check off can be reworked.

Assignments

Assignments will be due the class meeting specified. Any assignment is late if it is not turned in at the beginning of class on the assignment due date. Late assignments turned in the same day they are due will result in a 10% reduction in points. Any other late assignments (turned in after the due date) will only be worth a maximum of 75%. Any assignment which is more than 1 week late will be worth 0%.

Tests

There will be several tests given throughout the semester. Exams must be taken on the day they are scheduled. If you know you will miss an exam, let me know so we can make arrangements. A day late exam will be assigned a 50% as a grade. Two days late the exam will be assigned a 25% as the grade. Three days late, the exam will be assigned a 0% as the grade.

If you fail to maintain a 70% average on your tests, you will receive a 0% for the test component of your grade.

Early or late exams may or may not be the same exam that the class takes on the test day.

Anyone caught cheating on exams will receive an 'F' or the class and be dropped from the class.

NQA2

You will be expected to complete all assignments, programs and tests on the scheduled dates. However, two "No Questions Asked" (NQA) coupons will be handed out.

If you are handing in a late assignment, late program or taking an exam late, you must staple a coupon to it. The assignment/program/test will then be graded as if it were handed in on time. One coupon must be attached to the assignment/program/exam for each class (not calendar) day that it is late.

If lost, the NQA's will not be replaced. You will receive bonus points if you return your NQA's at the end of the semester. You have opportunities throughout the semester to earn two more NQA's

Top 10 Ways to Make Sure You Flunk This Class

10. Don't study the text, lecture material, or additional assigned recommended reading. Reading once or twice the night before the exam "doesn't cut it."
9. Don't observe due dates. Late work, no matter what the excuse, is usually downgraded or not accepted.
8. Urge the instructor to "cut you some slack" or "give you a break." If he did that for some one else and not you, what would your reaction be?
7. Do not attend class. While you may think class is boring, the teacher might just provide some insights that will help you better understand the content of the course.
6. Come to class late. If you really want to get on the wrong side of the instructor, just make this a habit.
5. Play with your cell phone, iPod, or other electronic device in class. Unless you have childcare problems, these actions tell the instructor that something else is more important than what is being taught.
4. Copy stuff from Wikipedia, a Google search, or someone else's work without proper citations. Teachers usually can identify plagiarism and material that is not yours.
3. Sleep in class. We know that school interferes with your social life, but do not make it so obvious!
2. Tell the teacher that this class is the only one with which you are struggling and you have "A's and B's" in all other classes. Don't give the impression that your other teachers are too easy.
1. Don't really, really try to learn.