

Systems Design Syllabus

Instructor Information

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Class Information

Beginning Date 8/22/2011
Number of Weeks 17

Prerequisites

A grade of "C-" or better in Systems Analysis (152-170)

Textbooks

Jeffrey L. Whitten, Lonnie D. Bently. *Introduction to Systems Analysis & Design*. Edition: 1st.
Publisher: McGraw-Hill. Year: 2008

Supplies

Three Ring Binder

Core Abilities

Act with integrity

Communicate effectively

Demonstrate effective critical and creative thinking

Demonstrate global and social awareness

Competencies

1. Work as a team.
2. Describe systems design and construction.
3. Complete a hardware/software acquisition analysis.
4. Describe systems application architecture
5. Complete a physical DFD to document the application architecture.
6. Describe database design
7. Complete a normalization of a database.
8. Complete a physical database schema with referential integrity
9. Describe output design
10. Prototype computer outputs
11. Describe input design
12. Prototype computer inputs
13. Describe user interface design
14. Prototype a system

Grading Information

Grading Rationale

Team Project:	Pass/Fail
Team Presentations:	Pass/Fail
Tests:	50%
Quizzes:	10%
Check Offs:	15%
Assignments:	15%
Performance Evals:	10%

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%

Guidelines and Information

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.

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.

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.

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.

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.

Quizzes

At various times throughout the semester, your instructor will give a quiz over the assigned reading material. Regardless of how many quizzes are actually given, your total score on all quizzes will be scaled to be worth 10% of your grade. If your quiz grade falls below 70%, you will receive a 0% for the quiz component of your grade.

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

NQA's can be used for missed quizzes. 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

Team Project/Presentation

You will be assigned to a team. Your team will be assigned to a project. It will be yours and your team's responsibility to finish that project. Failure to do so will result in an 'F' in this course for you and your team.

Your team will be responsible to give an acceptable presentation of your finished project. Failure to do so will result in an 'F' in this course for you and your team.

Performance Evaluation

The prospect of working in teams carries with it the possibility that not all team members will pull their fair share of the load. For this reason, there will be peer evaluations at the end of each milestone. The average of these peer evaluations will be used in calculating your performance evaluation component of your grade.

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.

Incompletes

Incompletes(IC) will not be given for this course, unless you provide evidence of a situation beyond your control that prevents you from doing your work for a substantial time period. A heavy course or work load is not sufficient reason to grant an incomplete.