Contact Information

Instructor: Dr. Chuck Johnston, Associate Professor of Management Information Systems
Office: Dillard 217
Phone: (940) 397-4361
Fax: (940) 397-4280
E-mail: chuck.johnston@mwsu.edu

<table>
<thead>
<tr>
<th>Spring 2012 Schedule</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFFICE</td>
<td>3:00-6:00</td>
<td>9:00-12:00</td>
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<td>1:00-5:00</td>
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<tr>
<td>MIS 3003-X20 (MIS)</td>
<td>Internet</td>
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<tr>
<td>MIS 3003-X21 (MIS)</td>
<td>Internet</td>
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<tr>
<td>MIS 4143-280 (Sys Design)</td>
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<td>7:00-9:50pm</td>
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</tbody>
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Course Materials


- Scantrons for multiple-choice portions of major exams

Course Description

Study of the design and implementation phases of the systems development life cycle. Emphasis is placed on detailed, physical design of a system, and its implementation in a microcomputer environment. Students will work in a team environment to develop a prototype computer-based system for a client, either real or hypothetical. A high degree of professionalism is expected in class and in the work turned in for grades.

Course Prerequisite

Senior standing or consent of the chair, and grade of “C” or better in MIS 3123 and 3133.

Learning Goals

I. General Learning Goals:

- **Teambuilding and collaboration to achieve group objectives.** Instruction in basic team dynamics is not provided as this class follows MIS 3133, Business Systems Analysis, where the students were required to work in teams. Students will continue to work in teams throughout this course as well. Team assignments will be required to be turned in for grades. There will also be at least one graded team presentation. Peer and instructor evaluations, as well as assignment requirements, will be designed to insure that all team members actively participate in both the presentation and written team assignments contributing to overall team grades.

- **Problem Solving and Decision Making.** The teams’ assignments are the primary means by which the students critically analyze, evaluate, and interpret business information. The students are required to use the techniques and information presented in class to analyze their team’s ongoing project. This requires
identifying the assignment’s requested business situation, making any necessary assumptions, assessing
given data/evidence, considering alternative solutions, arriving at a conclusion, and then documenting their
decisions.

- **Competency in speaking and writing for common business scenarios.** In addition, it is required that
all team members speak during their team presentations and participate in the writing of the team
assignments. An assessment form will be used during presentations to address the professionalism of
individual and group efforts. This form will be provided to students and discussed well in advance of their
scheduled presentations. Written assignments will be expected to contain no grammatical and
punctuation errors.

- **Technology Utilization.** Extensive use is made of business application technology throughout the
course. All systems design diagrams are executed in Microsoft Visio. Microsoft Project is used for team
project management tasks. Supplemental instructional materials are provided for these applications and
covered in class as needed. Students will also demonstrate their ability to use common business
computer applications by utilizing Microsoft Word for written assignments and Microsoft PowerPoint for
their team presentations. A portion of the grades for the presentations is based on the quality of the slides.

These general learning goals are among those established by the Dillard College of Business Administration.
General learning goals represent the skills that graduates will carry with them into their careers. While
assessing student performance in obtaining these general learning goals, the Dillard College is assessing its
programs. The assessments will assist us as we improve our curriculum and curriculum delivery.

II. **Course Specific Learning Goals:** After completing this course, students should be able to:

- Define object modeling, UML diagrams, and evolve a business requirements use-case model into a
  system analysis use-case model.
- Describe the design phase in terms of computer-based solutions for in-house development projects and
  procurement of commercial systems.
- Describe database and data distribution alternatives, user and system interface alternatives, and various
  software development environments for information system design.
- Define a modern data architecture and transform a logical data model into a physical, relational database
  schema.
- Identify several output implementation methods and design and prototype computer outputs.
- Define the appropriate format and media for a computer input and select the proper input attributes for a
  GUI input screen.
- Integrate output and input design into an overall user interface that establishes the dialogue between users
  and computer.
- Have a working familiarity with object-oriented design and modeling using the UML.
- Explain the purpose of the construction and implementation phases of the systems development life cycle.
- Define systems operations and support.

**Course Policies**

**Attendance Policy:** Regular attendance is expected and roll will be taken on scheduled class meetings.
Every two arrivals to class after role has been taken will be treated as an absence. Participation in class
discussion is mandatory. Students must read the assigned material and complete assignments prior to coming
to class and be prepared to discuss and ask questions relating to assigned material. See the MSU Student
Handbook for the University Class Attendance Policy.

**Other Related Policies**

**Missed Examination Policy:** Only students with authorized absences (see University Class Attendance
Policy) may make up missed examinations. Arrangements must be made in advance if at all possible. In all
cases, the instructor must be contacted no later than the day of the scheduled exam or no make up will be
allowed. At the instructor’s discretion, a deduction may be assessed for a late exam.

**Grading and Evaluation:**
Student's performance will be assessed using the following elements.

**Exams (3):** Each exam will consist of multiple-choice and true/false questions, some short answer, and/or essay questions. Exams will cover assigned chapters, in-class lectures, and any other assigned readings. **Students are responsible for all assigned textbook material, even if it is not directly discussed in class.**

**Team Assignments:** All students will participate in the team assignments. Details of presentation requirements will be provided later.

**Quizzes:** Up to 150 points (and possibly more) may be assigned to quizzes, take home assignments, and in-class exercises. Quizzes and in-class exercises will generally not be announced in advance. The total possible points for this aspect of the course will be adjusted up or down according to the actual utilized number possible when calculating grade percentages.

**Attendance and Participation:** Absences will be excused only for approved school trips and serious health issues. Written documentation is required for any absences excused. Only your direct participation in class activities DURING class meeting times counts toward any consideration for increasing marginal or borderline grades. The activity of speaking up and contributing counts the most!

Points will be allocated using the following scheme.

<table>
<thead>
<tr>
<th>Element</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Exam I</td>
<td>200</td>
</tr>
<tr>
<td>Exam II</td>
<td>200</td>
</tr>
<tr>
<td>Exam III</td>
<td>200</td>
</tr>
<tr>
<td>Team Assignments</td>
<td>275</td>
</tr>
<tr>
<td>Quizzes &amp; In-class</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total Points</strong></td>
<td><strong>1025</strong></td>
</tr>
</tbody>
</table>

**Grades will be assigned using the following scheme.**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>922-1025</td>
</tr>
<tr>
<td>B</td>
<td>820-921</td>
</tr>
<tr>
<td>C</td>
<td>717-819</td>
</tr>
<tr>
<td>D</td>
<td>615-716</td>
</tr>
<tr>
<td>F</td>
<td>&lt;= 614</td>
</tr>
</tbody>
</table>

**Course Content and Outline:** See the attached content outline/schedule.

**Academic Integrity:**

With regard to academic honesty, students are referred to the “Student Honor Creed” in the Midwestern State University Undergraduate Catalog. Academic dishonesty (cheating, collusion, and plagiarism) is taken seriously and will be dealt with according to the procedures of the on-line Midwestern State University Undergraduate Catalog. The minimum penalty is an "F" in this course and referral to the Dean of Students for disciplinary action, which may result in expulsion from the University. Searching for and using specific information from the Internet to complete the Team Assignments is dishonest and unethical. The course is about learning on your own and not being influenced by the work of others. Please don't “cheat” your future in the IT industry in this manner for the sake of higher grades.

**Americans with Disabilities Act:**

If a student has an established disability as defined in the Americans with Disabilities Act and would like to request accommodation, that student should please see me as soon as possible (i.e., within the first two weeks of the semester). Refer to my office hours and phone number shown on page 1. This class follows the guidelines suggested by the Center for Counseling and Disabilities Services for those students who qualify for disability services. See the Midwestern State University Undergraduate Catalog for additional information.

**Syllabus Change Policy:**
This syllabus is a guide for the course and is subject to change. It is only a guide. It is not a contract. Syllabus changes will be communicated in class, or in Blackboard, and may or may not result in document changes. If absent from class, it is the student’s sole responsibility to find out from other students, or the instructor, if anything affecting the course requirements or schedule was announced in the classes missed. Students must also regularly check on Blackboard for announcements and emails. It is not the instructor’s responsibility to individually inform students of changes.

Additional Information:

Assignments: Assignments are due in class at the beginning of class on the specified due date, or due in the instructor’s office no later than the scheduled beginning of class, if no class on that date. There is NO PROVISION for late work on any assignment. After the scheduled beginning of class time there will be a minimum 10% penalty, increasing to 25% for up to one day late. No assignments will be accepted more than 24 hours after they are due. Assignments more than 24 hours late will receive a grade of zero. Plan and schedule to complete work early. Having your work completed on schedule is a key to early success in your business career.

Classroom behavior:

- Please come to class on time. Take care of personal business prior to class. I do not expect you to leave and return to class (unless there was an emergency and you explain it to me after class). If you leave the classroom before class ends, take your things with you and I’ll see you next class.
- Computers will remain off during class except as directed by the instructor. Class time is not for surfing the Web, monitoring Facebook, texting, or catching up on email. The same thing applies to cell phone usage for messaging during class.
- Turn off your cell phones and any other electronic devices and put them away. Please, no texting. I think we can all go a little over an hour without contact with the outside world! Leaving class to return calls and coming back is not acceptable. If you have an emergency situation that requires your cell phone to be on, let me know and we’ll work something out.
- I don’t care what you wear to class as long as you conduct yourself professionally and with respect toward your peers and the instructor. Please don’t talk while the instructor or others are discussing course materials. Participating in the class is the best way to avoid disturbing the class.

Tentative schedule (See attached.) Please keep this syllabus as a reference! Students are responsible for all information contained in the syllabus and for any changes to the syllabus, which will be announced in class.

This class will be conducted in a “hybrid” fashion with much of the content delivered online as well as in the classroom. Please note the scheduled class meetings on the attached. Students are expected to keep up with the schedule. The instructor will also generally be available to meet with students or teams during the class periods when no classes are scheduled. Requests and arrangements for these sessions should be made in advance and not at the last minute.
# MIS 4143-280 T 7:00-9:50pm

Course Content Outline & Schedule of Topics/Exams

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Day</th>
<th>Chapter</th>
<th>Topic</th>
<th>Team Assignments Due</th>
<th>Other Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>17-Jan</td>
<td>Tues</td>
<td>Introduction 12</td>
<td>Class Overview and Goals Systems Design</td>
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<tr>
<td>2</td>
<td>24-Jan</td>
<td>Tues</td>
<td>13</td>
<td>Application Architecture and Modeling Database Design</td>
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<tr>
<td>3</td>
<td>31-Jan</td>
<td>Tues</td>
<td>14</td>
<td>Online Exam Review - No on-campus class TA1</td>
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<tr>
<td>4</td>
<td>7-Feb</td>
<td>Tues</td>
<td>15</td>
<td>Exam 1 Chapters 12-14</td>
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<tr>
<td>5</td>
<td>14-Feb</td>
<td>Tues</td>
<td>16</td>
<td>Output Design and Prototyping</td>
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<tr>
<td>6</td>
<td>21-Feb</td>
<td>Tues</td>
<td>17</td>
<td>No on-campus class</td>
<td></td>
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</tr>
<tr>
<td>7</td>
<td>28-Feb</td>
<td>Tues</td>
<td>18</td>
<td>Input Design and Prototyping</td>
<td>TA2</td>
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<tr>
<td>8</td>
<td>6-Mar</td>
<td>Tues</td>
<td>19</td>
<td>Online Exam Review - No on-campus class</td>
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<tr>
<td>9</td>
<td>20-Mar</td>
<td>Tues</td>
<td>20</td>
<td>Exam 2 Chapters 15-17</td>
<td>TA3</td>
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<tr>
<td>10</td>
<td>27-Mar</td>
<td>Tues</td>
<td>21</td>
<td>Object-Oriented Design and Modeling w/ UML</td>
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<tr>
<td>11</td>
<td>3-Apr</td>
<td>Tues</td>
<td>22</td>
<td>No on-campus class</td>
<td></td>
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<tr>
<td>12</td>
<td>10-Apr</td>
<td>Tues</td>
<td>23</td>
<td>Systems Construction and Implementation</td>
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<tr>
<td>13</td>
<td>17-Apr</td>
<td>Tues</td>
<td>24</td>
<td>Systems Operations and Support</td>
<td>TA4</td>
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<tr>
<td>14</td>
<td>24-Apr</td>
<td>Tues</td>
<td>25</td>
<td>Open/Flexible/Make-up/Team Work Class wrap-up</td>
<td></td>
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<tr>
<td>15</td>
<td>1-May</td>
<td>Tues</td>
<td>26</td>
<td>Team Presentations and Final Documentation</td>
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<td>Prototype &amp; Docs</td>
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<td></td>
<td>Exam Review (possibly online if insufficient time)</td>
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<tr>
<td>Final</td>
<td>8-May</td>
<td>Tues</td>
<td>27</td>
<td>8:00am-10:00pm Exam 3 Chapters 18-20</td>
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Other Important Dates:
- Feb 20 - Last day for May grads to file for graduation
- Feb 28 - Mar 3 - Writing Proficiency Exam
- Mar 19 (4 p.m.) - Last day to drop with "W"
- May 12 - Commencement

General Guidelines for software use for Team Assignments. Ask the instructor if you are unsure what to use for specific assignments.

- **MS Word:** All general word processing requirements
- **MS Excel:** Status, Budget, Cost/Benefit, as assigned
- **MS PowerPoint:** Slide shows
- **MS Visio:** All diagrams

**NOTE:**

*MS Access will be used for all prototyping and/or implementation work. There will be no exceptions to this requirement.*

Team Assignments & Project Deliverables:
- TA1: 25 pts Milestone 9
- TA2: 25 pts Milestone 10
- TA3: 50 pts Milestone 11
- TA4: 50 pts Milestone 12
- 125 pts Final Presentation & Docs