Course Description:

Introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools.

Prerequisite: ITSE 1302 or instructor permission

Text and Supplies: Online Curriculum provided

Student Learning Outcomes:

Upon successful completion of the course, students will have the ability to accomplish the following competencies accurately and efficiently:

- Identify Business Analysis (BA) Concepts and Activities in Your Organization
- Propose Project Scope Based on Your Analysis of a Business Architecture, Feasibility Study, and Risk Assessment
- Define Team Roles
- Plan Requirements Activities for a Project
- Plan Scope and Requirements Change Management
- Choose Elicitation Techniques
- Choose Techniques to Structure, Model, and Analyze Requirements
- Identify Project Assumptions and Constraints
- Determine Requirements Verification and Validation Activities
- Draft a Business Requirements Document
- Prepare for Requirements Presentation and Sign-off
- Determine Solution Assessment and Validation Activities
Texas Skill Standards Learning Outcomes:

This course also includes Learning Outcomes which are key activities specified in skill standards developed by the National Workforce Center for Emerging Technologies and recognized by the Texas skill Standards Board. The complete skill standards can be found at:

https://www.tssb.org/

These outcomes are included in this syllabus and will be evaluated on major exams.

Network Design and Administration Skill Standards:

B1 Participate in design reviews
B2 Prepare integration plan for new processes, protocols and equipment
B3 Recommend selection of architecture, topology, hardware and software
B4 Prepare capacity and throughput plan
B5 Specify servers and supporting hardware
B6 Specify wired and wireless facilities

Online requirements:

Midland College uses CANVAS for online instruction and communication with students. Students are expected to regularly check CANVAS. Check each week before class for important notices.

You can enter the URL: midland.instructure.edu to login into CANVAS.

Logging in to Canvas

username
MC Students: Midland College email address (example: jdoe123@mail.midland.edu)
IMPORTANT: MC Students enrolled BEFORE Winter Interim 2011, your email address follows the old format. Please see the Student Email page to determine your MC Email address.

password
MC Students: Midland College Student ID Number - no dashes (example: 123006789)

Additional Materials Required:

8 GB Flash Drive

Student Contribution: Students are encouraged to contact the instructor at any time. If you need to meet with the instructor you will need to make an appoint to guarantee the instructor's availability at a specific time. Office hours will be posted in CANVAS.
Students will be expected to exhibit professional behavior in class. With regard to cell phone use, keep it on silence and do not take calls unless it is an emergency.

Students are expected to attend class, for online that means logging in and completing assignments.

**Late Work:** Assignments will be due on the date assigned. In the event an assignment must be submitted later than the scheduled due date the student must get instructor permission.

This is an online/hybrid class. You will be expected to keep up with the assignments posted in CANVAS. You must email the professor once a week with your progress.

**Policy Information:**

Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity will be reported as never attended and dropped from the course.

This will be an in-depth, fast-paced course. It is important that you complete the assignments before the due dates. Late work will not be accepted. There will be no exceptions to this policy.

*Should you find that you are unable to complete the course, it is necessary for you to contact the Office of Student Services at Midland College and officially drop the class; otherwise a grade of “F” will be given for the semester grade.*

**Class Policy:**

It is each student’s responsibility to become familiar with Midland College policies as explained in the Midland College Student Handbook. Cheating, plagiarism, and any other form of academic dishonesty will not be tolerated.

**Course Schedule:** Posted in CANVAS

**Grading/Evaluation of student:**

**Grading Formula:**

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>80% - 89%</td>
<td>B</td>
</tr>
<tr>
<td>70% - 79%</td>
<td>C</td>
</tr>
<tr>
<td>60% - 69%</td>
<td>D</td>
</tr>
<tr>
<td>Below 60%</td>
<td>F</td>
</tr>
</tbody>
</table>
Your final grade will be calculated as follows:

- Project Case Study: 45%
- Final Exam: 20%
- Chapter Exams: 35%

**Students with Disabilities:**

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.

**Instructor Information:** Posted in CANVAS

**Applied Technology Division**

Contact Information

- Division Dean: Curt Pervier
- Department Chair: Heather Sanders
- Division Secretary: Lisa Hays
- Division Office: Room TC 143A
- Division Telephone: (432)685-4676
- Division Fax: (432)685-4672

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. For further information on notice of non-discrimination, visit [http://wdcrobcopl01.ed.gov/CFAPPS/OCR/contactus.cfm](http://wdcrobcopl01.ed.gov/CFAPPS/OCR/contactus.cfm) or call 1 (800) 421-3481.

**Spanish**

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. Para más información sobre estas políticas no discriminatorias, visite [http://wdcrobcopl01.ed.gov/CFAPPS/OCR/contactus.cfm](http://wdcrobcopl01.ed.gov/CFAPPS/OCR/contactus.cfm) o llame al 1 (800) 421-3481.