

Course Syllabus

Course Name: Systems Analysis & Design

Course Number/Section: CTS 285 / OL1

Spring Semester 2011 Class Hours: Online (8 Weeks)

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| Instructor: | Lee Anne H. Bryan, M.EGR. | Office Location: | Building 17 – Office 103 Parker High Technology Building |
| Office Phone: | (910) 879-5653 | Office Hours: | Monday: 9:25-10:25 am Tuesday: 9:15-10:15 am, 2:45-3:15 pm Wednesday: 9:25-10:25 am Thursday: 9:15-10:15 am, 2:45-3:15 pm |
| E-mail: | lbryan@bladencc.edu | | |
| Instructor Webpage: | http://www.n4rsa.com | | |

TEXT, REQUIRED SOFTWARE and MATERIALS:

Systems Analysis and Design, Video enhanced, eighth edition, Authors: Gary Shelley and Harry Rosenblatt, Course Technology, 2011, ISBN: 9780538474436.

(1) USB 2.0 Portable Flash Drive

DESCRIPTION:

This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.

Special Needs Information: Students with special needs related to a diagnosed disability should contact Tommy Rains (910.879.5570; trains@bladencc.edu) in student services for assistance.

GOALS/STUDENT LEARNING OUTCOMES (Students will be able to demonstrate competency in the following areas):

1. Understand the requirements for project management
2. Learn and understand the phases of the Systems Development Life Cycle (SDLC)
3. Analyze problems related to information systems
4. Design solutions to information system problems

REQUIREMENTS:

Discussion Forums
Small Group Assignments
Case Studies / Case Simulations / Exercises
Tests
Final Exam

EVALUATION:

Regular attendance is required to pass this course. After 9 hours of absence, the student is dropped. This roughly equals 2 weeks of classes.

All assignments will be given a point value; grades will be recorded as having achieved an amount of the total points possible.

Course Syllabus (cont.)

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| Discussion Forum Assignments | 20% |
| Tests | 30% |
| Case Studies / Case Simulations / Exercises / Small Group | 40% |
| Final Exam | 10%* |

*Exempt from Final Exam if student has an A average with 2 or less absences.

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|--------------|-------------|-------------|-------------|------------------|
| 100 - 90 = A | 89 - 80 = B | 79 - 70 = C | 69 - 60 = D | 59 and below = F |
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Academic Integrity: In addition to good academic performance, students should exhibit honesty and integrity. If there is any question that academic honesty and integrity are not honored, students may be required to redo assignments in the presence of an instructor-selected monitor. Proof of dishonesty, including plagiarism, will make students subject to disciplinary action. Please consult your college catalog for more information.

Ground Rules:

1. Course Management:

- Prerequisite: CIS 115
- The course is located at the Moodle link on the college web page, <http://www.bladenc.edu>.
- Anticipated E-Mail Response Time is within above stated Office Hours.
- Anticipated Graded Assignment Turn-Around Time is one week from due date.

2. Course Attendance:

- Course attendance of 100% is expected.
 - If contact is not made prior to the 10 percent point of the course, then the student will be dropped from the course with a grade of "W".
 - If absences exceed 20% of all scheduled contact hours, the student will be dropped from the course with a grade of "W" or "WF" depending on the official withdrawal date.
 - If absent from class for two consecutive weeks, the student will be dropped from the course with a grade of "W" or "WF" depending on the official withdrawal date.
- See the college catalog for current policy concerning class attendance, tardiness, drop / add periods, etc.

3. Course Assignments:

- All submissions must be made through the appropriate Moodle links unless instructor specifies differently. No email attachments or paper copies will be accepted.
- Late assignments will be accepted at the discretion of the instructor. However, no late assignments will be accepted during final exam week.
- The student will be responsible for completing and saving assignments in the specified file types. Any other format will not be accepted.
- The student will be responsible for completing the lab assignments and will be expected to fully understand the material. Completion of all assigned labs is a requirement for successful course completion.

4. Course Quizzes and Exams:

- Quizzes, tests, and exams must be taken on the scheduled date; otherwise a grade of zero will be assigned. Any exceptions to this policy must be the result of a documented emergency or prior arrangement with the instructor.

Course Syllabus (cont.)

CTS 285: Systems Analysis & Design

Course Schedule (*Highly Volatile and Subject to Change!*)

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| Week 1 Jan. 8-16 | Syllabus; Moodle Orientation; Introduction to Systems Analysis and Design – Chapter 1; Communications Tools – Toolkit 1 |
| Week 2 Jan. 17-23 | Analyzing the Business Case – Chapter 2; Managing Systems Projects – Chapter 3 |
| Week 3 Jan. 24-30 | Requirements Modeling – Chapter 4; Test #1; Data and Process Modeling – Chapter 5 |
| Week 4 Jan. 31-Feb. 6 | Object Modeling – Chapter 6; Financial Analysis Tools – Toolkit 3 |
| Week 5 Feb. 7-13 | Test #2; Development Strategies – Chapter 7; Output and User Interface Design – Chapter 8 |
| Week 6 Feb. 14-20 | Data Design – Chapter 9; Test #3; Systems Architecture – Chapter 10 |
| Week 7 Feb. 21-27 | Managing Systems Implementation – Chapter 11; CASE Tools – Toolkit 2; Managing Systems Support and Security – Chapter 12; Internet Resource Tools – Toolkit 4 |
| Week 8 Feb. 28-Mar. 2 | Final Exam |