Course Prefix and Number: CIS 227  
Course Title: System Analysis and Design  
Credit Hours: 3-3-0  
Course Prerequisites: 15 CIS/CIT hours earned  


Course Description: Analysis and design in a business information context with emphasis on tools for analysis, planning, decision making, and system design. Practical applications in design and development of systems using “real world” case studies.  

Learning Outcomes:
At the end of this course the student will:
A. plan a new system or evaluate an existing system;  
B. analyze system requirements;  
C. design the proposed systems;  
D. discuss implementation of new or changed systems; and  
E. explain supporting and securing a systems.  

To achieve the learning outcomes, the student will or will be able to:  
(The letter designations at the end of each statement refer to the learning outcome(s).)  
1. analyze real-world business cases (A);  
2. explain project planning, scheduling, monitoring, and reporting (A);  
3. compare requirements for data, process, and object modeling (B);  
4. prepare a systems requirement document (B);  
5. build user interface and data design of systems (C);  
6. prepare and present the systems design specification document (C);  
7. create program, system, operations, and user documentation (D);  
8. develop training plans for various user groups (D);  
9. research the type of system monitoring and maintenance (E); and  
10. research the different levels of system security (E).  

Course Requirements:  
1. Achieve a course average of 70% or above.  
2. Students are expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension.  
3. Students must have access to a Windows computer, Microsoft Office 2016, and the Internet to complete the assignments. Computer, software, and the Internet are available to students on campus during scheduled computer lab times and in the Learning Commons located in the BPCC Library.
Course Grading Scale:
    A = 89.5% - 100%
    B = 79.5% - 89.4%
    C = 69.5% - 79.4%
    D = 59.5% - 69.4%
    F =  0.0% - 59.4%

Attendance Policy: The college attendance policy is available at http://www.bpcc.edu/catalog/current/academicpolicies.html

Course Fees: This course is accompanied with an additional fee for supplemental materials.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

Title VI, Section 504, and ADA Coordinator
Sarah Culpepper, Coordinator
Disability Services, D-110
6220 East Texas Street
Bossier City, LA 71111
Phone: 318-678-6539
Email: sculpepper@bpcc.edu
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator
Teri Bashara, Director of Human Resources
Human Resources Office, A-105
6220 East Texas Street
Bossier City, LA 71111
Phone: 318-678-6056
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.