University of Arkansas – Fort Smith
5210 Grand Avenue
P.O. Box 3649
Fort Smith, AR 72913-3649
479-788-7000

General Syllabus

CS 1213 Enterprise Computing

Credit Hours: 3   Lecture Hours: 3   Laboratory Hours: 0

Prerequisite: None

Effective Catalog: 2020-2021

I.   Course Information

A.   Catalog Description
Introduces concepts in modern enterprise systems. Topics for this course include enterprise servers and mainframe computing, operating systems, database systems, file systems and storage, security, availability, scalable computing, and enterprise programming languages (COBOL, JCL, etc.).

II.   Student Learning Outcomes

A.   Subject Matter
Upon successful completion of this course, the student will be able to:

1. Describe enterprise computing architecture and environments.
2. Design applications using enterprise computing programming languages.
3. Explain the concepts of availability and scalable computing in an enterprise environment.
4. Describe enterprise computing operating systems and data storage facilities.

B.   University Learning Outcomes
This course enhances student abilities in the following areas:

Analytical Skills
Critical Thinking Skills
Students will identify a problem, break it down into its components and design a solution.

III. Major Course Topics

    A.   Enterprise Computing Concepts
    B.   Operating Systems
    C.   Database Systems
    D.   SQL
    E.   z/OS
    F.   JCL
    G.   VSAM
    H.   COBOL
    I.   Linux
    J.   Security
    K.   Availability
    L.   Scalability