

NEW YORK CITY COLLEGE OF TECHNOLOGY/CUNY

Computer Systems Technology Department

Course: CST3615 –Enterprise Applications

(2 class hours, 2 lab hours, 3 credits)

Course Description:

An enterprise application is software used by small, mid-size and large companies to solve business problems. Enterprise applications interface or integrate with other enterprise applications and are deployed in a variety of networks (internet, intranet) while meeting strict requirements for security and administration management. There are many enterprise applications commonly used in business including: communication software (email, internet telephony/VoIP), messaging and collaboration systems, business intelligence and analytics (software used for decision making and strategic planning), customer relationship management (CRM), enterprise resource planning (ERP), content management systems.

This is a survey course in which students will learn how different enterprise applications integrate with other systems used by an organization, and how to select, deploy, configure and manage enterprise applications. An important component of the course is cloud computing, a widely used architecture to deploy enterprise applications as a service over the internet.

Course Objectives:

Upon successful completion of the course, the student should be able to:

1. Demonstrate an understanding on how different enterprise applications support business objectives and how they integrate with other systems used by an organization. Demonstrate an understanding of the different models of deployment of enterprise applications.
2. Demonstrate an understanding on how to select, deploy, configure and manage different enterprise applications.

Prerequisite:

CST3605 Virtualization and CST3610 Network Security with grade of C or better

Required Materials:

Principles of Information Systems, 11th Edition, Ralph M. Stair, George Reynolds, ISBN-13: 9781133629665

Students are required to have a USB storage device for class projects. Required reading material for the course will consist of articles and tutorials which are available online or will be provided by the instructor.

Attendance Policy:

Attendance – Attendance is expected at every class meeting. If the class is meeting two times per week, you are permitted to be absent a total of three class sessions; if the class meets only once per week, you are permitted to miss one and one-half of the class meetings.

Academic Integrity Policy:

Students and all others who work with information, ideas, texts, images, music, inventions, and other intellectual property owe their audience and sources accuracy and honesty in using, crediting, and citing sources. As a community of intellectual and professional workers, the College recognizes its responsibility for providing instruction in information literacy and academic integrity, offering models of good practice, and responding vigilantly and appropriately to infractions of academic integrity. Accordingly, academic dishonesty is prohibited in The City University of New York and at New York City College of Technology and is punishable by penalties, including failing grades, suspension, and expulsion. The complete text of the College policy on Academic Integrity may be found in the catalog.

Grading Procedure:

Final		30%
Mid-Term	15%	
Homework & Labs	15%	
Project		40%
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Letter Grade	A	A-	B+	B	B-	C+	C	D	F
Numerical Grade	93-100	90-92.9	87-89.9	83-86.9	80-82.9	77-79.9	70-76.9	60-69.9	<=59.9

TOTAL

100%

Course Topics

Introduction to Enterprise Applications, Communication software Email, Communication Software Internet Telephony (VoIP), Messaging and Collaboration Systems, Business Intelligence and Analytics, Customer Relationship Management (CRM), Enterprise Content Management (ECM), Cloud Computing Introduction, Cloud Computing, Security, Scalability and reliability, Other Enterprise Computing New Topics.

Course topics and schedule might be adjusted by the instructor.