

### Instructor

Gajendra Pareek, CPIM, PMP

Supply chain consultant with 20+ years of Enterprise Software Implementation experience

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### Office Hours

Saturday 8:30AM-9:00 AM (Classroom) & 12:15PM-1:15PM (Classroom)

### Syllabus

#### Course Description

This course provides an overview of enterprise systems for data and business process integration, and introduces students to how enterprise systems are used to manage supply chain and make effective business decisions. Topics include requirements of enterprise systems, application architecture, tools, and functionality of leading enterprise systems, implementation methodologies and future of Enterprise Systems.

DePaul present a curriculum that prepares students for supporting large Enterprise Information Systems. Enterprise System ES is best explained through the evolution of Enterprise Resource Planning (ERP). These systems evolved over the last several decades driven by (1) changing business requirements and (2) new development capabilities provided by technologies evolution and software vendors' innovation. These developments led to a new discipline—Enterprise Information Systems, which deals with issues whose focus is on creating and sustaining business benefits through the utilization of corporate IT infrastructure assets. Currently, ES knowledge is essentially acquired on the job after substantial time of experience building and longer career ladder scale.

Students will use Microsoft Dynamics AX ERP (Enterprise resource planning) software through the course, the same software used by many organizations in various industries. The course is organized in below categories

- Overview of Enterprise Systems
- Business Application of Enterprise Systems
- Managing the Implementation of Enterprise Systems
- Using ERP system to effectively Manage Supply Chains business requirements
- Importance of Master Data Management and Governance in Enterprise Systems
- Post Modern ERP systems – Road ahead.

### Books Recommended

Inside Dynamics AX 2012 R3  
Microsoft Press – Publisher

Modern ERP: Select, Implement, and Use Today's Advanced Business Systems  
By Marianne Bradford  
www.modernerp.com

### Grading

20% Assignments/Case Studies  
50% ERP hands-on assignments  
20% Take-home final exam  
10% Participation

- *Live section : attendance & in-class participation*
- *OL section: participation in the D2L*
  - *Contributing to the weekly discussions*
  - *Commenting on other's article sharing*
- *Assessment on participation : quality, quantity and timelines of your posts*
  - *Not to post at once at the end of the quarter*
  - *How much your posts would help others learn about enterprise systems*

### **Grading Scale**

Students receiving more than 90% of possible points are guaranteed at least an A-, more than 80% at least a B-, more than 70% at least a C-, and more than 60% at least a D.

### Learning Outcome

Students will be able to:

- articulate the nature and characteristics of enterprise resource planning (ERP) systems
- assess the needs of an organization and formulate requirements for an ERP system implementation
- evaluate ERP vendors and their products
- design an ERP implementation/upgrade strategy for a firm

## **IS560 Enterprise Systems**

### **Weekly Schedule**

#### Week 1 (Mar 24)

- Focus : Overview on enterprise systems, in particular ERP systems
- Reading: ERP Definition and Solutions, How does an ERP System work?

#### Week 2 (March 31) : NO CLASS

#### Week 3 (April 07)

- Focus : Introduction to Dynamics AX ERP System - Application overview
- Reading : Introduction to AX ERP
- Lab Session: Overview & User experience with Dynamics AX ERP

#### Week 4 (April 14)

- Focus : Basics of Supply Chain Management - Application walkthrough
- Reading : Basics of Supply chain Management
- Lab Session: Inventory and Warehouse Management

#### Week 5 (April 21)

- Focus : CRM Track (Sales and Marketing Management) – Application walkthrough
- Reading : Sales and marketing, ERP Sales Kit(1,2)
- Lab Session : Quote to Order life cycle with prospects in AX 2012

#### Week 6(April 28)

- Focus : Implementation methodology – introduction to Life Cycle Services
- Reading : White paper on Sure Step
- Lab Session : Sales Order Receipt and Invoicing process in AX 2012

#### Week 7(May 05)

- Focus : Manufacturing track – Application walkthrough
- Reading : Production and Planning Management
- Lab Session: Make to Stock for a manufactured parts in AX 2012

### Week 8(May 12)

- Finance, Project Account and User Security in AX
- Reading : Finance and Accounting course material, Convergence/Envision 2016 Video
- Guest Speaker/Convergence Video : BI – Business Intelligence through AX 2012

### Week 9(May 19)

- Focus: Data Governance and Auditing Information System  
& How different are ERP implementation projects from system development projects?
- ERP Security and Life Cycle Services/ Collaborative workspace management (CWM)
- Reading: Wallace & Krezmar Ch 3. ERP Implementation Strategies, 10 Disasters, 13 mistakes
- Lab Session : Procurement Process in AX 2012

### Week 10(May 26)

- Focus : SOA & ERP , ERP Trends and Course Review
- Enterprise Architecture and ERP, trends/ Recap of MS AX ERP
- Reading : Governance and Management of IS
- Reading : Gartner 8 key Successful ERP Implementations, Avoid Misleading Cost Estimates
- Lab Session : Order to Cash Process in AX 2012

### Week 11(June 02)

- Final Assignment due ( no class)

## **Course Policies**

### Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

### Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what

responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](#).

### Academic Integrity and Plagiarism

This course will be subject to the university's academic integrity policy. More information can be found at <http://academicintegrity.depaul.edu/>. If you have any questions be sure to consult with your professor.

### Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the [University Academic Calendar](#). Information on enrollment, withdrawal, grading and incompletes can be found at: [cdm.depaul.edu/enrollment](http://cdm.depaul.edu/enrollment)

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### Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at: [csd@depaul.edu](mailto:csd@depaul.edu).

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