

**Missouri University of Science and Technology  
Department of Business and Information Technology**

**Department Mission:**

*“Capitalizing on the strong technological emphasis of Missouri University of Science & Technology (S&T), the Department of Business and Information Technology prepares professionals for careers in modern business organizations. The Department emphasizes management through technology with particular focus on information systems and their application in a fast-changing, global and competitive environment.*

*Through innovative instruction and research, the Department serves the economic interests of industry and the evolving needs of society. The Department provides distance education opportunities utilizing advanced learning technologies.”*

<b>Course:</b>	<b>ERP 5130 ERP in SME</b>	<b>Semester: Summer 2015</b>
<b>Days and Times:</b>	M-F 10:20AM - 12:10PM	<b>Room: Fulton 107A</b>
<b>Instructor’s Name:</b>	Yu-Hsien Chiu	<b>Office Location:</b> 112 Fulton Hall
<b>Office Phone:</b>	573-341-6907	<b>Email:</b> <a href="mailto:chiuyu@mst.edu">chiuyu@mst.edu</a>
<b>Web Locations:</b>	<a href="http://blackboard.mst.edu">http://blackboard.mst.edu</a>	
<b>Office Hours:</b>	Office hours are available by appointment. Students can communicate with the instructor via e-mail.	

## **COURSE INFORMATION**

### **Catalogue Description:**

The course provides an overview of the new generation of business application for small and midsize companies. Microsoft Dynamics AX 2012 will be introduced to illustrate the enterprise-wide application for enterprises.

### **Additional Description:**

This is a hybrid course taught partially online, but will include scheduled lab and in-class discussion sessions. Students must keep up with the course materials so they can benefit from the interactive discussion with faculty and other students. The course uses the following teaching modalities in an online format:

- Key material and instructions will be delivered via blackboard which allows voice-over PowerPoint lectures.
- Students will engage in interactive threaded discussion on important issues using blackboard. The discussion will be facilitated and monitored by faculty.
- Each unit will include assignments that will draw and build upon the material and information that has been introduced in the current course and previous courses.
- Students will engage with the ERP project. This provides the students the opportunity to apply ERP concepts and receive feedback.

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**Course Prerequisite**

ERP 2110 Intro. to ERP; ERP 5110 ERP Design and Implementation.

**Additional Readings**

May be identified throughout the course as the instructor deems appropriate.

**Course Learning Objectives**

At the conclusion of the course, the student will be able to:

Course Objectives	Program Learning Objectives				
	Oral Communicatio	Written Communicatio	Information Technology	Teamwork	Critical Thinking
Understand the technology of the Dynamics AX ERP system.			X		
Describe the various methods and approaches to entering data and performing transactions within the Dynamics AX ERP system.			X		
Understand the value of a build vs. buy decisions that end-user organizations face.			X		X
Explain the main modules of the Dynamics AX ERP system and terms as well as tasks involved in each of these modules and how they fit within the overall system environment.			X		
Understand the value of systems thinking theory and explain the main phases, activities, tools and outputs of the system development life cycle.			X		
Use Microsoft Office to help with the input and output of various data within the Dynamics AX ERP system.			X		
Recognize the value and lessons learned from examples of both good and bad implementation approaches.			X		X

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## **EVALUATION**

### **Evaluation**

There are an anticipated 570 possible points. Redistribution and/or additional assignments and points may be assigned during the course at the instructor's discretion to emphasize particular learning topics. The grading criteria are allocated as follows:

Module Tests	35%	200 points
Paper	14%	80 points
Lab Assignments	30%	170 points
<u>Project and Report</u>	<u>21%</u>	<u>120 points</u>
<b>Total</b>		<b>570 points</b>

### **Grade Determination**

**Module Tests:** There will be two (2) tests. Each worth 100 points. The tests will cover the readings and lectures from powerpoint handouts as well as live system test.

**Paper:** There will be one (1) paper assignment worth 80 points. The paper assignment will compare and contrast different scale ERP software.

**Lab Assignments:** There will be ten (10) lab assignments. All assignments or deliverables are due at the beginning of class on the due date unless otherwise specified. All assignments submitted to the instructor are to be considered business documents and must look professionally prepared as appropriate. Work will be graded for content and correct use of appropriate business grammar and terms.

**Project:** There will be an opportunity to work on an individual project using Dynamics AX ERP software. Students will work on the project and it will be audited for completeness and viability. The work consists of configuration of various modules of the Dynamics AX ERP system or Dynamics CRM to perform predefined tasks and processes. These tasks include activities such as sales/purchase order creation, item creation, general ledger transactions, etc. Additional details will be provided in class, including instructions and final report details.

<b>Grading</b>	A	100 – 90	570 - 510
	B	89 – 80	509 - 455
	C	79 – 70	454 - 400
	D	69 – 60	399 - 340
	F	59 and below	339 and below

## **COURSE POLICIES**

### **Late Policy**

All assignments or deliverables are due at the beginning of class on the due date unless otherwise specified. All due dates are absolute unless arrangements are made for an alternative date in advance of the due date. This includes tests.

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It is important that you stay on schedule with the materials so you can best learn the concepts. Running behind will impact your ability to successfully achieve the objectives of this course. Any deliverable submitted after the due date will not receive full credit. Grades on late work will be reduced by 50%, if turn in late at the same due date. No credit will be given for deliverables turn in more than two days late. Exception will only be given to student with a legitimate reason and he/she notifies the instructor 3 days before the due date.

**Quality of Submissions**

All assignments submitted to the instructor are to be considered business documents and must look professionally prepared (Word, Excel, PowerPoint) as appropriate. Work will be graded for content and correct use of appropriate business grammar and terms.

**Communication**

All communication regarding your personal matters, for example, absence, received by the instructor will be done via e-mail. All assignment submission will be made through Blackboard. All technical troubleshooting will be done via discussion board on the blackboard. However, the instructor encourages you to learn and understand the software from try and error. Hence, the instructor will not provide prompt technical support. Participating in troubleshooting on Blackboard is highly encouraged and is appreciated. It is the student's responsibility to ensure that the instructor has received any assignments turned in. Refer to late policy for delay in submission of assignments.

**Attendance**

On campus students will not be expected to attend the live classroom if 'Video' or 'Lab Assignment' is indicated as the instructive method of a specific date on the course outline section of this syllabus. Classroom attendance will be expected if 'Live' instructive method is noted. Access to archived video recording will be impossible for on campus students who miss live classes.

**Student Support Services**

In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about:

- Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor.
- University-level support (e.g., tutoring/writing services, Disability Services) by visiting the Disability Support Services.

**Student Honor Code and Academic Integrity:**

Violations of the University's academic code include, but are not limited to, possession of or use of unauthorized materials during quizzes or tests; providing unauthorized information to another student; or copying the work of another person. Violations may result in academic penalties in addition to receiving an "F" on the assignment in question.

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The Honor Code developed and endorsed by Missouri S&T Student Council can be found at this link: <http://stuco.mst.edu/about/honor-code>.

Page 30 of the Student Academic Regulations handbook describes the student standard of conduct relative to the University of Missouri System's Collected Rules and Regulations section 200.010, and offers descriptions of academic dishonesty including cheating, plagiarism or sabotage (<http://registrar.mst.edu/academicregs/index.html>). Additional guidance for faculty, including the University's Academic Dishonesty Procedures, is available on-line at <http://ugs.mst.edu>. Other informational resources for students regarding ethics, integrity and the student honor code can be found online at <http://ugs.mst.edu/academicintegrity/studentresources-ai> and <http://stuco.mst.edu/about/honor-code>.

**Disability Support Services:** (<http://dss.mst.edu/>)

If you have a documented disability and anticipate needing accommodations in this course, you are strongly encouraged to meet with me early in the semester. You will need to request that the Disability Services staff send a letter to me verifying your disability and specifying the accommodation you will need before I can arrange your accommodation. If you have a disability that might require academic accommodations, please visit Disability Support Services in 204 Norwood Hall (341-4211; [dss@mst.edu](mailto:dss@mst.edu)) very early in the semester.

**Classroom Egress Map:** (<http://registrar.mst.edu/links/egress/>)

Please familiarize yourself with the classroom egress maps posted on line so you will know where emergency exits are located.

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**COURSE OUTLINE**

*Disclaimer: This syllabus and schedule may be changed by the instructor to meet the needs of the class.*

Week	Date	Topic	Instructive Method	Key Dates
Wk 1	M., 6/8/15	First day of the class Assign term paper Lecture 1: Navigation and Overview Lab 1: Navigation and Overview	Video  Lab Assignment	
	T., 6/9/15	Lecture 2: Basic and Administration Lab 2: Basic and Administration	Video Lab Assignment	Lab 1 Due
	W., 6/10/15	Lecture 3-1: General Ledger Basic Setup Lecture 3-2: General Ledger Daily Procedures Lab 3: General Ledger	Video Video Lab Assignment	Lab 2 Due
	Th., 6/11/15	Lecture 4: Procurement to Payment Basic Setup Lab 4: Procurement to Payment Basic Setup	Video Lab Assignment	Lab 3 Due
	F., 6/12/15	Lecture 5: Procurement to Payment Daily Procedures Lab 5: Procurement to Payment Daily Procedures	Video Lab Assignment	Lab 4 Due
Wk 2	M., 6/15/15	Lecture 6: Order to Collection Basic Setup Lab 6: Order to Collection Basic Setup	Video Lab Assignment	Lab 5 Due
	T., 6/16/15	Lecture 7: Order to Collection Daily Procedures Lab 7: Order to Collection Daily Procedures	Video Lab Assignment	Lab 6 Due
	W., 6/17/15	Review for Test 1. Q&A. Assign final project. Lecture 8: Inventory and Warehouse Management Basic Setup Lab 8: Inventory and Warehouse Management Basic Setup	Live Video  Lab Assignment	Lab 7 Due
	Th., 6/18/15	<b>Test 1</b>	<<TBD>>	
	F., 6/19/15	<i>Mid-Term break. No class.</i>		Lab 8 Due
Wk 3	M., 6/22/15	Lecture 9: Inventory and Warehouse Management Daily Procedures Lab 9: Inventory and Warehouse Management Daily Procedures	Video Lab Assignment	<b>Paper Due</b>
	T., 6/23/15	Lecture 10: Sales and Marketing Lab 10: Sales and Marketing	Video Lab Assignment	Lab 9 Due
	W., 6/24/15	Project Research Day. No class		Lab 10 Due
	Th., 6/25/15	Review for Test 2. <b>Q&amp;A.</b>	Live	
	Fri., 6/26/15	<b>Test 2</b>	<<TBD>>	
Wk 4	M., 6/29/15	Project Research Day. No class.		
	T., 6/30/15	Project Research Day. No class.		
	W., 7/1/15	Project Research Day. No class.		
	Th., 7/2/15	Project Presentation Day	Live	
	F., 7/3/15	Project Presentation Day	Live	<b>Final Project Due</b>