

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

Department Mission

To serve the economic interests of industry and the evolving needs of society in a challenging, rapidly-changing, global environment, the Department of Business & Information Technology capitalizes on the strong technological emphasis of Missouri S & T to enable individuals to excel in a technology-centric business world. Recognizing this rapid evolution of the marketplace, we create and disseminate knowledge impacting the theory and practice of business.

Course:	ERP 2110 Introduction to ERP	Semester: Spring 2019
Days and Times:	MWF 10:00 - 10:50AM	Room: Toomey 251
Instructor's Name:	Yu-Hsien Chiu	Office: 112 Fulton Hall
Office Phone:	573-341-6907	Email: chiuyu@mst.edu
LEAD Office:	BCH 313	Peer Learning Assistant: Deep Patel
LEAD Hours:	11:30AM-12:45PM W; 9:15–10:45AM Th; or by appointment	

COURSE INFORMATION

Catalogue Description:

The course provides an overview of Enterprise Resource Planning software systems and their role within an organization. It introduces key concepts integrated information systems and explains why such systems are valuable to businesses. In addition to lecture, students will be guided through several hands-on activities of various business processes in SAP R/3 software product. The course will also provide a discussion on various business cases in which ERP concepts can be applied.

Course Prerequisite

IST 1750

Required Material

1. Custom Text for ERP 2110 Intro to Enterprise Resource Planning by *Prof. Chiu*. ISBN 978-1-269-82753-9. Available at MS&T bookstore.
2. SAP Lab Manual by *Prof. Chiu*. Available at MS&T bookstore.

Instructional Methods

Class instructions will include lectures, laboratories, and team activities. Laboratories are intended to give practical, hands on experience in the computer system taught in the class. All assigned material may not be covered in the lectures. You are responsible for the information in the assigned readings, regardless of whether it is covered in lecture, and vice versa.

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Course Learning Objectives

By completing this course, students are expected to be able to:

Course Objectives	Program Learning Objectives			
	Communication	Technology Proficiency	Teamwork	Critical Thinking
Know basic business functional areas and explain how they are related.	X	X	X	
Illustrate how fragmented information systems fail to support business decision and how integrated information systems can help a company prosper by providing business managers with accurate, consistent, and current data.	X	X	X	
Understand how Enterprise Resource Planning software is used to optimize business processes.	X	X	X	X
Acquire experience in using ERP software that can be applied in further coursework		X		

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GRADING POLICY AND GRADING

Grading Scale

A final letter grade is to be awarded to each enrolled student in accordance with the standard grading scale system:

A: ≥ 680 B: 605 – 679 C: 530 - 604 D: 450 – 529 F: < 450

Grading Plan

Exams	(60+110*2)	36.8%	280 points
Homework		30.9%	235 points
Business Game		17.1%	130 points
Quizzes	(15 points * 4 quizzes)	7.9%	60 points
In-Class Assignments		7.3%	<u>55 points</u>
			<u>760 points</u>

Grade Determination

Exams

During the course of the semester, there will be three exams. The first exam accounts for 60 points. Exam 2 and 3 account for 110 points each. The first two exams will take place in the regular lecture time. The third exam will be scheduled during the final exam period. There will be no make-up exams during the semester.

If you are going to miss an exam for a legitimate reason (e.g. official University business), you must notify the instructor 5 school days before the test date. A make-up test may be given only if the case of legitimate reasons and with proper documentation. If you are going to miss an exam due to illness, you must notify the instructor before the test date. Proper documentation is required.

Homework

During the course of the semester you will be expected to work on two business process homework and six SAP lab homework. Homework is expected to be completed with individual effort. You may only discuss the process of SAP transactions with others. However, you need to write up homework all by yourself with your own screenshots or observation and interpretation. Timely completion of these exercises is very important to be successful in this course.

All homework assignments are due at the beginning of the class on its due date. The grade will be reduced by 25% if the assignment is turned in within 24 hours later than its due time/date. Late penalty is incremented by 25% for every 24 hours late. No work will be accepted if submitted three days after the due date, including weekends. Exception will only be given to student with a legitimate reason and he/she notifies the instructor 5 days before the due date.

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Business Game

During the semester, you will be put in situations in which you have to operate your business using an ERP system. Each team operates a fictitious company. ERP system will be used to record operation results and to make business decisions. The game is to demonstrate the master of the information systems that you learn in this semester. Each team will consist of two to three students. Details will be provided in the class.

Quizzes

Quizzes, consisting of true/false, multiple-choice questions, and/or system operation, will be given several times during the semester. Quizzes may be announced or unannounced. Each is worth 15 points. The lowest quiz will be dropped – this could even be a quiz you miss. There will be no make-up quizzes.

In-class Assignments

You are advised to attend class regularly. Pop-up in-class assignments will be given by the instructor from time to time. Absence will be excused if arrangement is made prior to the absence.

COURSE POLICIES

Use of Learning Management System

The Learning Management System for this course is Canvas. Course materials, assignments, schedule, and grades can be found on Canvas. You will be either alerted by announcement when there are changes, additions, or assignments on Canvas.

Classroom Attendance/Participations

Late to the class is not allowed. Student must arrive and take the quizzes and exams on time. The student is not allowed to take a quiz or an exam if the quiz or the exam has started before he/she arrives to the class.

Disruptive behavior will not be tolerated in this class. Turn off all audible alerts before class. Computing devices such as desktop and laptop should not be used for surfing websites or checking emails in the class unless instructed.

Grade

The grade of each individual grading item, including exam, assignment, etc. should be reviewed by the student promptly. If you are not satisfied with your grade on any given exam/quiz/assignment, you must bring your concerns to the attention of your instructor within one week after I return your exam/quiz/assignment. Do not expect me to review your old exam grades during the last week of the semester (or right before drop date!). Student also has the responsibility to check the accuracy the grade posted on Canvas.

Your grade will reflect how you have mastered the material, including the ability to use your knowledge to solve complex problems. I will make the score and score distributions for each grading item available to help you evaluate your performance and your relative position in the class, but please don't expect me to be able to tell you what final letter grade you will get prior to the end of the course.

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Student Honor Code and Academic Integrity:

The instructor is very serious about this. Ethical behavior is extremely important in all facets of life. 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.

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>.

US Federal Law Title IX:

Missouri University of Science and Technology is committed to the safety and well-being of all members of its community. US Federal Law Title IX states that no member of the university community shall, on the basis of sex, be excluded from participation in, or be denied benefits of, or be subjected to discrimination under any education program or activity. Furthermore, in accordance with Title IX guidelines from the US Office of Civil Rights, Missouri S&T requires that all faculty and staff members report, to the Missouri S&T Title IX Coordinator, any notice of sexual harassment, abuse, and/or violence (including personal relational abuse, relational/domestic violence, and stalking) disclosed through communication including but not limited to direct conversation, email, social media, classroom papers and homework exercises.

Missouri S&T's Title IX Coordinator is Vice Chancellor Shenethia Manuel. Contact her directly (manuels@mst.edu; (573) 341-4920; 113 Centennial Hall) to report Title IX violations. To learn more about Title IX resources and reporting options (confidential and non-confidential) available to Missouri S&T students, staff, and faculty, please visit <http://titleix.mst.edu>.

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) very early in the semester.

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

Please familiarize yourself with the classroom egress maps posted on-line at: <http://designconstruction.mst.edu/floorplan/> so you will know where emergency exits are located.

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COURSE OUTLINE

The following is our tentative schedule for the semester. The Instructor reserves the right to modify course schedule and/or procedures in the event of circumstances beyond her control.

Wk	Date	Module	Lecture Topic	
1	Wed., 1/23/19	1. Overview	Introduction – Course objectives and requirements	
	Fri., 1/25/19		Chapter 1 Business Process, Information Systems, and Information	
2	Mon., 1/28/19		Chapter 1 Business Process, Information Systems, and Information	
	Wed., 1/30/19		<i>Instructor travels to an AACSB conference. No class.</i>	
3	Fri., 2/1/19		<i>Instructor travels to an AACSB conference. No class.</i>	
	Mon., 2/4/19		Chapter 2 Using IS to Improve Processes Chapter 3 Supporting Processes with ERP Systems	
	Wed., 2/6/19		Lab 1: SAP R/3 Navigation Lab	
4	Fri., 2/8/19		Lab 1: SAP R/3 Navigation Lab	
	Mon., 2/11/19		Chapter 4 Supporting the Procurement Process with SAP	
4	Wed., 2/13/19		2. Procure-to-Pay Module	Lab 2 Procure-to-Pay Process
	Fri., 2/15/19			Lab 2 Procure-to-Pay Process
5	Mon., 2/18/19			Lab 2 Procure-to-Pay Process
	Wed., 2/20/19			Procure-to-Pay Module Wrap up
5	Fri., 2/22/19		3. Plan-to-Produce Module	Lab 3: SAP Plan-to-Produce Process
	Mon., 2/25/19	Review for Exam 1		
6	Wed., 2/27/19	Exam 1: Chapters 1, 2, 3 & Lab 1		
	Fri., 3/1/19	Lab 3: SAP Plan-to-Produce Process		
7	Mon., 3/4/19	4. Order-to-Cash Module	Lab 3: SAP Plan-to-Produce Process	
	Wed., 3/6/19		Chapter 5 Supporting the Sales Process with SAP	
8	Fri., 3/8/19		Lab 4: SAP Order-to-Cash Process	
	Mon., 3/11/19		Lab 4: SAP Order-to-Cash Process	
8	Wed., 3/13/19	Lab 4: SAP Order-to-Cash Process		
	Fri., 3/15/19	Order-to-Cash Module Wrap up		
9	Mon., 3/18/19	5. Accounting and Controlling Module	<i>Spring Recess. No Class.</i>	
	Wed., 3/20/19		Lab 5: Accounting and Controlling Process	
	Fri., 3/22/19		Review for Exam 2	
10	Mon., 3/25/19		Exam 2, Theoretical Part: Chapter 4, Lab 2 & 3	
	Wed., 3/27/19		Exam 2, Hands-on Part: Labs 2 & 3	
	Fri., 3/29/19		<i>Spring Break. No Class.</i>	
11	Mon., 4/1/19		Lab 5: Accounting and Controlling Process	
	Wed., 4/3/19		Lab 5: Accounting and Controlling Process	
12	Fri., 4/5/19		Comprehensive Group Project	Business Game Overview
	Mon., 4/8/19			Business Game Master Data Preparation
12	Wed., 4/10/19	Business Game Master Data Preparation		
	Fri., 4/12/19	Business Game Replenishment		
13	Mon., 4/15/19	Business Game Replenishment		
	Wed., 4/17/19	Exam 3, Theoretical Part: Chapter 5, Labs 4, 5, and 6		
14	Fri., 4/19/19	Exam 3, Hands-on Part: Lab 4, 5, & 6		
	Mon., 4/22/19	Business Game 1		
	Wed., 4/24/19	Business Game 1		
	Fri., 4/26/19	Business Game 1–end and Reporting		

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15	Mon., 4/29/19		Business Game 1 Performance Review
	Wed., 5/1/19		Intermission
	Fri., 5/3/19		Business Game 2
16	Mon., 5/6/19		Business Game 2
	Wed., 5/8/19		Business Game 2-end and Reporting
	Fri., 5/10/19		Business Game 2 Performance Review