

Description This course is designed to provide the student with a thorough understanding of both the role that Enterprise Resource Planning Systems (ERPs) play in an organization and the challenging task of managing the Information Systems (IS) function. During the semester, homework will be assigned that afford the student the opportunity to work through many real-life business situations using the SAP ECC system and explore the interaction among the different business processes. SAP is the world's leading provider of Enterprise software designed to integrate every aspect of a company's operation. The hands-on exercises, coupled with the in-class discussions of ERPs, will prepare the student with the knowledge sought by businesses looking to use technology to maintain their competitive edge in the market place.

Objectives At the completion of the course, students will be able to

- Describe the role of an ERP in carrying out business processes in a company
- Explain how 'best business practices' are incorporated in an ERP
- Execute an entire business process chain in the following areas
 - Sales
 - Materials Planning
 - Procurement
 - Production
 - Accounting
- Strategize pricing, production and sales in a competitive commodity market
- Analyze sales data in an ERP to dynamically respond to changing market conditions to maximize profits
- Expedite production planning and control using tools provided in an ERP (e.g. MRP)
- Report on the reasons for the success (or failure) of their production and sales strategy

Instructor Nitin Kalé, Associate Professor of Engineering Practice, Viterbi School of Engineering

Contact Info kale@usc.edu | 213.740.7083

Office Hours TBA

Lecture 5 – 6:20 pm MW

Lecture Room Online, and in RTH 109

Teaching Assistant TBA

Course Website courses.uscdcn.net

You will access all live lectures, lecture notes, assignments, discussions and all other course related content through DEN Desire to Learn (D2L) course management system. This system is different than the USC Blackboard system and requires separate login.

Simulation Game An ERP Simulation Game will be played during the semester at various times during lecture. Game can be played remotely by off-campus students. Participation in the game is **mandatory** for all students. If you have a conflict with your other commitments on game days, please reconsider your enrollment in this course.

Textbooks

- ERP Simulation Game: *Participant's Manual* (ebook) will be available for purchase online (cost \$50 CAD payable online by credit card, details to be announced the second week of the semester)

Software

- SAP is the leading vendor of Enterprise Resource Planning Systems in the world. USC Viterbi has had an Academic Alliance with SAP University Alliances Program for the past 20 years. Several Viterbi ISE and ITP courses utilize the SAP system as a tool and platform for class Homework.
- Students will receive software (SAP GUI for both Windows and MAC) to connect to the SAP ECC 6.0 server so that they can work from their personal computers.
- You will also need Microsoft Excel and Access for analyzing the data from the ERP Simulation Game.

Grading The weight of graded material during the semester is listed below.

Homework	15%
Exam I	25%
ERPSim Game	
Peer evaluation (individual)	5%
Intro Game Performance (team)	5%
Intro Game analysis (individual)	5%
Extended Game performance (team)	10%
Extended Game Analysis	10%
Exam II	25%
Total	100%

Final letter grade is based strictly on total percentage earned and the distribution curve of the class. NO EXCEPTIONS! No extra credit assignments will be offered.

Discussion Board

To get help on homework, follow these simple steps

- Read the homework instructions carefully
- Review the “Discussion Board” section of the DEN class website’s forum for other student questions and comments or post a question yourself to begin the forum.
- If you cannot find an answer above, email the TA and me

Policies

- Homework turned in after the deadline will automatically have 10 points per day deducted.
- No make-up exams (except for medical or family emergencies) will be offered

Students with Disabilities

Any Student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m. - 5:00 p.m., Monday through Friday. The phone number for DSP is (213)740-0776."

Policy on Religious Holidays

University policy grants students excused absences from class for observance of religious holy days. Students should contact instructor IN ADVANCE to request such an excused absence. The student will be given an opportunity to make up work missed because of religious observance.

Students are advised to scan their syllabi at the beginning of each course to detect potential conflicts with their religious observances. Please note that this applies only to the sort of holy day that necessitates absence from class and/or whose religious requirements clearly conflict with aspects of academic performance. Please refer to the Holy Days Calendar <http://orl.usc.edu/religiouslife/holydays/>

Incomplete and Missing Grades

Excerpts for this section have been taken from the University Grading Handbook, located at <http://www.usc.edu/dept/ARR/grades/gradinghandbook/index.html>. Please see the link for more details on this and any other grading concerns.

A grade of Missing Grade (MG) “should only be assigned in unique or unusual situations... for those cases in which a student does not complete work for the course before the semester ends. All missing grades must be resolved by the instructor through the Correction of Grade Process. One calendar year is allowed to resolve a MG. If an MG is not resolved [within] one year the grade is changed to [Unofficial Withdrawal] UW and will be calculated into the grade point average a zero grade points.

A grade of Incomplete (IN) “is assigned when work is no completed because of documented illness or other ‘emergency’ occurring after the twelfth week of the semester (or 12th week equivalency for any course scheduled for less than 15 weeks).”

Statement on Academic Conduct and Support Systems

Academic Conduct

Plagiarism – presenting someone else’s ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Section 11, *Behavior Violating University Standards* <https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions/>. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, <http://policy.usc.edu/scientific-misconduct/>.

Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the *Office of Equity and Diversity* <http://equity.usc.edu/> or to the *Department of Public Safety* <http://capsnet.usc.edu/departments/departments-public-safety/online-forms/contact-us>. This is important for the safety whole USC community. Another member of the university community – such as a friend, classmate, advisor, or faculty member – can help initiate the report, or can initiate the report on behalf of another person. *The Center for Women and Men* <http://www.usc.edu/student-affairs/cwm/> provides 24/7 confidential support, and the sexual assault resource center webpage sarc@usc.edu describes reporting options and other resources.

Support Systems

A number of USC’s schools provide support for students who need help with scholarly writing. Check with your advisor or program staff to find out more. Students whose primary language is not English should check with the *American Language Institute* <http://dornsife.usc.edu/ali>, which sponsors courses and workshops specifically for international graduate students. *The Office of Disability Services and Programs* http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html provides certification for students with disabilities and helps arrange the relevant accommodations. If an officially declared emergency makes travel to campus infeasible, *USC Emergency Information* <http://emergency.usc.edu/> will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.

Lecture Schedule			
Week	Date	Topic(s)	Reading and assignments posted on D2L.
1	8/21	Intro: Course Overview	
	8/23	Enterprise Systems/ERP Overview	
2	8/28	Introduction to ERP Simulation Game	ERPSim: Chapter 1
	8/30	Accounting: Financial Accounting	ERPSim: Chapter 2
3	9/4	No Class: Labor Day Holiday	
	9/6	Accounting: Managerial Accounting	Homework 1
4	9/11	Materials Management	ERPSim: Chapter 3
	9/13	Materials Management	Homework 2
5	9/18	Procurement Process	ERPSim: Chapter 4
	9/20	Procurement Process	Homework 3
6	9/25	Production Process	Homework 4
	9/27	Production Process	
7	10/2	Sales Process	Homework 5
	10/4	Sales Process	
8	10/9	ERP Simulation Game Introduction	ERPSim: Chapter 5
	10/11	Exam I	
9	10/16	ERP Sim – Intro Game – Round 1*	
	10/18	ERP Sim – Intro Game – Round 2, 3*	
10	10/23	ERP Sim – Intro Game – Round 4, 5*	Intro Game Analysis
	10/25	ERP Sim – Extended Game Lecture	ERPSim: Chapter 6
11	10/30	ERP Sim – Extended Game - Round 1*	
	11/1	ERP Sim – Extended Game - Round 2,3*	
12	11/6	ERP Sim – Extended Game - Rounds 4, 5, 6*	
	11/8	ERP Sim – Extended Game - Rounds 7, 8, 9*	
13	11/13	ERP Sim – Extended Game - Rounds 10, 11, 12*	
	11/15	TBA	
14	11/20	Game Analysis	Extended Game Analysis
	11/22	No Class: Thanksgiving Holiday	
15	11/27	Game Analysis	
	11/29	Exam II	
Extended Game Analysis, December 7			

* Live (online or on premise participation is mandatory)

Assignments, lectures, grades, discussion and all other course materials will be posted on D2L (<http://courses.uscdcn.net/>) . Please check the class website regularly.