

## Course Syllabus

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OPRE 6369 - Supply Chain Software (SAP SCM)  
School of Management  
The University of Texas at Dallas

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### Course Information

#### Course

Course Number/Section	OPRE 6369/001
Course Title	Supply Chain Software (SAP SCM)
Term and Dates	Spring 2012, Tuesday 4:00-6:45pm
Room	SOM 1/107
Lab	SOM 1.103 (near southeast exit door)

#### Professor Contact Information

Professor	Gene Deluke
Office Phone	972-883-4808
Email Address	Use Elearning
Office Location	SOM 3.409
Online Office Hours	Monday, 1-2pm, Thursday, 2:30-4pm, or by appointment

#### TA Contact Information

TBD  
Email – Use elearning

#### Course Pre-requisites, Co-requisites, and/or Other Restrictions

OPRE 6366 Supply Chain Management or the permission of the instructor

#### Course Description

Course Description: This course teaches supply chain management concepts and applications with software such as SAP ERP and Advanced Planner & Optimizer (APO). This software is used in lab exercises that provide students with a hands-on experiential learning experience. The focus is on the supply planning function of supply chain management. Topics include: introduction to ERP and SAP, SAP navigation techniques, master and transaction data, demand management, MRP, forecasting, supply network planning, and integration of ERP and APO modules. This course is intended for graduate students with interests in software-based supply chain management. Previous experience with SAP software is helpful but not required. Actual case studies will be reviewed if time permits.

#### Student Learning Objectives/Outcomes

Upon completion of this course students will be able to:

1. Explain the concept of a supply chains and explain their role in a global economy.
2. Navigate the SAP user interface to create, modify or access information related to supply chain management.
3. List the SAP R3 master data objects used in supply chain management.

4. Create the following SAP master data objects: 1) material master, 2) Bill of Material master, 3) Work Center master, 4) Routing master, 5) Vendor master, 6) Purchasing information record.
5. Explain the concept of Demand Management within a SAP environment and select an appropriate strategy for various demand fulfillment models.
6. Run the SAP MRP program and interpret the results.
7. Explain the essential elements of the SAP Core Interface (CIF) and Integration Models.
8. List the SAP APO master data objects used in supply chain management.
9. Create a forecast using SAP APO.
10. Release a forecast for supply network planning
11. Execute the heuristic algorithm in APO Supply Network Planning to perform supply and demand matching and interpret the results.

### Required Textbooks and Materials

Required Texts

**1. *Production Planning and Control with SAP ERP, 2<sup>nd</sup> edition***

Dickersbach, Keller, Weihrauch

Galileo Press

ISBN – 978-1-59229-106-9

**2. *Sales and Inventory Planning with SAP APO***

Marc Hoopé

Galileo Press

978-1-59229-123-6

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### Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirement must be met to enable a successful learning experience. Please review the important [technical requirements and the web browser configuration information](#).

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### Course Access and Navigation

ELearning will be used for all course interactivity between instructor and students. Please check the calendar and assignments frequently. Students will use their UTD NetID account to login to the course at: <http://eLearning.utdallas.edu>.

If you have any problems with your UTD account or with the UTD Elearning server, you may send an email to: [Elearning@utdallas.edu](mailto:Elearning@utdallas.edu) or call the UTD Computer Helpdesk at: **972-883-2911**. If you encounter any technical difficulties within the course site, please send an email to [gmbasupport@utdallas.edu](mailto:gmbasupport@utdallas.edu).

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## Communications

This Elearning course has built-in communication tools which will be used for interaction and communication. Please see more details about [communication tool information](#).

Interaction with Instructor: The instructor will communicate with students mainly using the Mail, Announcements, Assignments and Discussions tools within Elearning. Students may send personal concerns or questions to the instructor using the course Email tool. The instructor will reply to student emails or Discussion board messages in a timely manner.

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## Student Assessments

### Grading Information

#### Weights

Midterm Exam	35%
Final Exam	35%
Homework/Lab Exercises	25%
Case study assessments	5%
	100%

Mark Range	Grade Category
90-100	A
80-90	B
70-80	C
<70	F

#### Accessing Grades

Students can check their grades by clicking “My Grades” under Course Tools in Elearning after the grade for each assessment task is released.

### Course Policies

#### *Make-up exams*

None

#### *Extra Credit*

None

#### *Late Work*

Hands-on exercises may be submitted within 24 hours of the due date. However, a 15% reduction in grade will be assessed. Late work submission **MUST** be through Elearning.

## Assignments

Hands-on exercises will be posted as Assignments in ELearning.

### Assignment submission instructions

You will submit your assignments (in the required file format with a simple file name and a file extension) by using the Assignments tool on the course site. Please see the Assignments link on the course menu or see the icon on the designated page. You can click each assignment name link and follow the on-screen instructions to upload and submit your file(s). Please refer to the Help menu for more information on using this tool. **Please note:** each assignment link will be deactivated after the assignment due time. After your submission is graded, you may click each assignment's "Graded" tab to check the results and feedback.

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## Academic Calendar – Calendar may change at the discretion of the Professor.

WEEK/ DATES	TOPIC/LECTURE	ASSESSMENT / ACTIVITY	DUE DATE	Reading Assign.
1 1/17	Introduction to Supply Chain Management Intro to SAP	Lab exercise 1	Not to be submitted	PP Ch 3- 4
2 1/24	Material Master Bill of Material Master	Lab exercise 2,3	2/2	PP Ch 5
3 1/31	Purchasing Master Data Work Center Master Data	Lab exercise 4,5	2/9	PP Ch 5
4 2/7	Routing Master Data	Lab exercise 6	2/16	PP Ch 5
5 2/14	Production Versions Demand Management	Lab exercise 7,8	2/23	PP Ch 7
6 2/21	MRP Basics	Lab exercise 9	3/1	PP Ch 8
7 2/28	SAP Material Requirements Planning Video – MRP at Wheeler Ambulance			PP Ch 8
8 3/6	Midterm exam – Scope –all materials since start of semester			
9 3/13	Spring Break – no class			

WEEK/ DATES	TOPIC/LECTURE	ASSESSMENT / ACTIVITY	DUE DATE	Reading Assign.
10 3/20	ERP Simulation Game	None		
11 3/27	Intro to SAP APO APO Core Interface (CIF)	None		APO-Ch7
12 4/3	APO Master Data Demand Planning Basics Video – Forecasting at Hard Rock Cafe	Lab exercise 10	Not to be submitted	APO Ch 5.5
13 4/10	APO Demand Planning Releasing the Demand Plan	Lab exercise 11	4/19	APO-Ch4
14 4/17	APO Supply Network Planning	Lab exercise 12	4/26	APO-Ch5
15 4/24	Supply Chain Engineer SAP Implementation Methodology	None		
16 5/1	Final Exam – Scope – all materials since mid- term exam			

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### Academic Integrity

The faculty and administration of the School of Management expect from our students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work. We want to establish a reputation for the honorable behavior of our graduates, which extends throughout their careers. Both your individual reputation and the school's reputation matter to your success.

The Judicial Affairs website lists examples of academic dishonesty. Dishonesty includes, but is not limited to cheating, plagiarism, collusion, facilitating academic dishonesty, fabrication, failure to contribute to a collaborative project and sabotage. Some of the ways students may engage in academic dishonesty are:

- Coughing and/or using visual or auditory signals in a test;
- Concealing notes on hands, caps, shoes, in pockets or the back of beverage bottle labels;
- Writing in blue books prior to an examination;
- Writing information on blackboards, desks, or keeping notes on the floor;
- Obtaining copies of an exam in advance;
- Passing information from an earlier class to a later class;
- Leaving information in the bathroom;
- Exchanging exams so that neighbors have identical test forms;
- Having a substitute take a test and providing falsified identification for the substitute;
- Fabricating data for lab assignments;
- Changing a graded paper and requesting that it be regraded;
- Failing to turn in a test or assignment and later suggesting the faculty member lost the item;
- Stealing another student's graded test and affixing one's own name on it;
- Recording two answers, one on the test form, one on the answer sheet;

- Marking an answer sheet to enable another to see the answer;
- Encircling two adjacent answers and claiming to have had the correct answer;
- Stealing an exam for someone in another section or for placement in a test file;
- Using an electronic device to store test information, or to send or receive answers for a test;
- Destroying or removing library materials to gain an academic advantage;
- Consulting assignment solutions posted on websites of previous course offerings;
- Transferring a computer file from one person's account to another;
- Transmitting posted answers for an exam to a student in a testing area via electronic device;
- Downloading text from the Internet or other sources without proper attribution;
- Citing to false references or findings in research or other academic exercises;
- Unauthorized collaborating with another person in preparing academic exercises.
- Submitting a substantial portion of the same academic work more than once without written authorization from the instructor.

<http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-Basicexamples.html>

Updated: August, 2011

Plagiarism on written assignments, especially from the web, from portions of papers for other classes, and from any other source is unacceptable. On written assignments, this course will use the resources of [turnitin.com](http://turnitin.com), which searches the web for plagiarized content and is over 90% effective.

During tests and quizzes, students in this section are not allowed to have with them any food or drinks, scratch paper, course materials, textbooks, notes, invisible ink pens, or electronic devices, including iPads, iPhones, iPods, MP3 Players, earphones, radios, smart phones, cameras, calculators, multi-function timepieces, or computers. When possible, students should sit in alternating seats, face forward at all times, and remove any clothing which might conceal eye movements, reflect images of another's work, or hide course material for copying. Exam proctors will monitor any communication or signaling between students by talking, whispering, or making sounds, or by using your hands, feet, other body movements, the test paper itself or your writing implement.

Students in this course suspected of academic dishonesty are subject to disciplinary proceedings, and if found responsible, the following minimum sanctions will be applied:

1. Homework – Zero for the Assignment
2. Case Write-ups – Zero for the Assignment
3. Quizzes – Zero for the Quiz
4. Presentations – Zero for the Assignment
5. Group Work – Zero for the Assignment for all group members
6. Tests – Zero for the test OR F for the course depending upon severity.

These sanctions will be administered only after a student has been found officially responsible for academic dishonesty, either through waiving their right for a disciplinary hearing, or being declared responsible after a hearing administered by Judicial Affairs and the Dean of Student's Office .

In the event that the student receives a failing grade for the course for academic dishonesty, the student is not allowed to withdraw as a way of preventing the grade from being entered on their record. Where a student receives an F in a course and chooses to take the course over to improve their grade, the original grade of F remains on their transcript, but does not count towards calculation of their GPA.

The School of Management also reserves the right to review a student's disciplinary record, on file with the Dean of Students, as one of the criteria for determining a student's eligibility for a scholarship.

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## Course Evaluation

As required by UTD academic regulations, every student may complete an evaluation for each enrolled course at the end of the semester. An instructional assessment form will be made available for your confidential use.

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## University Policies

### Student Conduct & Discipline

The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UTD publication, *A to Z Guide*, which is provided to all registered students each academic year.

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the *Rules and Regulations, Board of Regents, The University of Texas System, Part 1, Chapter VI, Section 3*, and in Title V, Rules on Student Services and Activities of the university's *Handbook of Operating Procedures*. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391).

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

### Email Use

The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account. This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources at U.T. Dallas provides a method for students to have their U.T. Dallas mail forwarded to other accounts.

### Withdrawal from Class

The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student. You must do the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled.

### **Student Grievance Procedures**

Procedures for student grievances are found in Title V, Rules on Student Services and Activities, of the university's *Handbook of Operating Procedures*.

In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originates (hereafter called "the respondent"). Individual faculty members retain primary responsibility for assigning grades and evaluations. If the matter cannot be resolved at that level, the grievance must be submitted in writing to the respondent with a copy of the respondent's School Dean. If the matter is not resolved by the written response provided by the respondent, the student may submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean's decision, the student may make a written appeal to the Dean of Graduate or Undergraduate Education, and the dean will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process will be distributed to all involved parties.

Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations.

### **Incomplete Grade Policy**

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of **E**.

### **Assesibility Services**

The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room 1.610 in the Student Union. Office hours are Monday and Thursday, 8:30 a.m. to 6:30 p.m.; Tuesday and Wednesday, 8:30 a.m. to 7:30 p.m.; and Friday, 8:30 a.m. to 5:30 p.m.

The contact information for the Office of Accessibility Services is:  
The University of Texas at Dallas, SU 22  
PO Box 830688  
Richardson, Texas 75083-0688  
(972) 883-2098 (voice or TTY)



Essentially, the law requires that colleges and universities make those reasonable adjustments necessary to eliminate discrimination on the basis of disability. For example, it may be necessary to remove classroom prohibitions against tape recorders or animals (in the case of dog guides) for students who are blind. Occasionally an assignment requirement may be substituted (for example, a research paper versus an oral presentation for a student who is hearing impaired). Classes enrolled students with mobility impairments may have to be rescheduled in accessible facilities. The college or university may need to provide special services such as registration, note-taking, or mobility assistance.

It is the student's responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.

### **Religious Holy Days**

The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, Tax Code, Texas Code Annotated.

The student is encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.

If a student or an instructor disagrees about the nature of the absence [i.e., for the purpose of observing a religious holy day] or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the chief executive officer of the institution, or his or her designee. The chief executive officer or designee must take into account the legislative intent of TEC 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

### **Off-Campus Instruction and Course Activities**

Off-campus, out-of-state, and foreign instruction and activities are subject to state law and University policies and procedures regarding travel and risk-related activities. Information regarding these rules and regulations may be found at the website address given below. Additional information is available from the office of the school dean.

([http://www.utdallas.edu/Business\\_Affairs/Travel\\_Risk\\_Activities.htm](http://www.utdallas.edu/Business_Affairs/Travel_Risk_Activities.htm))

***These descriptions and timelines are subject to change at the discretion of the Professor.***

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