

REQUEST FOR NEW COURSE

1. General Information.

- a. Submitted by the College of: Gatton College of Business & Economics Today's Date: 02/20/2010
- b. Department/Division: Analytics (formerly Decision Science & Information Systems)
- c. Contact person name: Ram Pakath Email: pakath@uky.edu Phone: 7-4319
- d. Requested Effective Date: Semester following approval OR Specific Term/Year¹: Fall 2010

2. Designation and Description of Proposed Course.

- a. Prefix and Number: AN 303
- b. Full Title: Supply Chain Management
- c. Transcript Title (if full title is more than 40 characters): Supply Chain Management
- d. To be Cross-Listed² with (Prefix and Number): _____
- e. Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours³ for each meeting pattern type.

3.0 Lecture _____ Laboratory¹ _____ Recitation _____ Discussion _____ Indep. Study _____
_____ Clinical _____ Colloquium _____ Practicum _____ Research _____ Residency _____
_____ Seminar _____ Studio _____ Other – Please explain: _____

- f. Identify a grading system: Letter (A, B, C, etc.) Pass/Fail
- g. Number of credits: 3.0
- h. Is this course repeatable for additional credit? YES NO
- If YES: Maximum number of credit hours: _____
- If YES: Will this course allow multiple registrations during the same semester? YES NO

i. Course Description for Bulletin:

The study of supply chain management involves the management of key business processes, the flow of goods and information, and relationships with fellow members of the supply chain. This course will introduce students to the terminology, concepts, and skills related to supply chain management. Students will develop an understanding of the complexities associated with the physical movement of goods and information, and how they affect the mission of the firm. Discussions will address the various processes and activities within an organization and how they interface with other members of the supply chain.

- j. Prerequisites, if any: Completion of all college pre-major requirements and admission to Upper Division in Business & Economics. Non B&E Upper Division undergraduate students may be enrolled with the consent of the instructor.
- k. Will this course also be offered through Distance Learning? YES⁴ NO

¹ Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

² The chair of the cross-listing department must sign off on the Signature Routing Log.

³ In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, represents at least two hours per week for a semester for one credit hour. (from SR 5.2.1)

⁴ You must *also* submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.

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1. Supplementary teaching component, if any: Community-Based Experience Service Learning Both
3. Will this course be taught off campus? YES NO
4. Frequency of Course Offering.
- a. Course will be offered (check all that apply): Fall Spring Summer
- b. Will the course be offered every year? YES NO
If NO, explain: _____
5. Are facilities and personnel necessary for the proposed new course available? YES NO
If NO, explain: _____
6. What enrollment (per section per semester) may reasonably be expected? 20
7. Anticipated Student Demand.
- a. Will this course serve students primarily within the degree program? YES NO
- b. Will it be of interest to a significant number of students outside the degree pgm? YES NO
If YES, explain: Should be of interest to majors such as those pertaining to managing health care, governmental, charitable, and other social organizations as many of these must rely on suppliers and need to manage their supplier networks.
8. Check the category most applicable to this course:
- Traditional – Offered in Corresponding Departments at Universities Elsewhere
- Relatively New – Now Being Widely Established
- Not Yet Found in Many (or Any) Other Universities
9. Course Relationship to Program(s).
- a. Is this course part of a proposed new program? YES NO
If YES, name the proposed new program: Analytics (formerly, Decision Science and Information Systems)
- b. Will this course be a new requirement⁵ for ANY program? YES NO
If YES⁵, list affected programs: Analytics (formerly, Decision Science and Information Systems)
10. Information to be Placed on Syllabus.
- a. Is the course 400G or 500? YES NO
If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in **10.b**. You must include: (i) identification of additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR 3.1.4.)
- b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from **10.a** above) are attached.

⁵ In order to change a program, a program change form must also be submitted.

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Signature Routing Log

General Information:

Course Prefix and Number: AN 303

Proposal Contact Person Name: Ram Pakath Phone: 7-4319 Email: pakath@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
School of MGMT	2/2010	SCOTT KELLEY 7/3425 / SKELLEY@uky.edu	Scott W Kelly
Undergrad. Studies	4/23/2010	NANCY JOHNSON 7/2976 / nbs@uky.edu	Nancy Johnson
Hutton Faculty	4/30/2010	MERL HACKBART 7/3592 / m.hackbart@uky.edu	[Signature]
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁶
Undergraduate Council	10/26/2010		
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

⁶ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

AN 303-001: Supply Chain Management

Departmental Prefix: DSIS; College Prefix: BE

Instructor:	TBA
Time/Place:	TBA
Office Location:	TBA
Phone:	TBA
Blackboard:	TBA
E-mail:	TBA (preferred contact mode)
Office Hours:	TBA

COURSE DESCRIPTION:

The study of supply chain management involves the management of key business processes, the flow of goods and information, and relationships with fellow members of the supply chain. This course will introduce students to the terminology, concepts, and skills related to supply chain management. Students will develop an understanding of the complexities associated with the physical movement of goods and information, and how they affect the mission of the firm. Discussions will address the various processes and activities within an organization and how they interface with other members of the supply chain.

COURSE OBJECTIVES AND SCOPE:

The course is designed to give you:

- 1) A broad and general exposure to supply chain management and the functions that encompass SCM;
- 2) An understanding of the basic concepts and techniques important to analyzing supply chain problems;
- 3) A thorough presentation of how the various functions important to supply chain management are related to each other; and
- 4) An appreciation of the significance of supply chain management to firm success and the pursuit of efficiency and effectiveness across multiple firms.

STUDENT LEARNING OUTCOMES:

Students who successfully complete this course will:

- 1) Apply systems thinking to complex supply chain problems;
- 2) Map the supply chain structure of a focal firm, finding opportunities and vulnerabilities in the supply chain;
- 3) Distinguish between supply chain operations and supply chain management;
- 4) Iterate the key business processes that drive supply chain management;
- 5) Recognize the cross-functional and cross-disciplinary approaches to managing the focal firm and the supply chain; and
- 6) Demonstrate industrial dynamics effects among disparate supply chain entities.

PREREQUISITES: Completion of all college pre-major requirements and admission to Upper Division in Business and Economics. Non-B&E Upper Division undergraduate students may be enrolled with the consent of the instructor.

TEXTBOOK: Lambert, Douglas M., editor, *Supply Chain Management: Processes, Partnerships, Performance*, 3rd ed. (Supply Chain Management Institute, 2008); ISBN 978-0-9759949-3-1

Additional required readings are posted on Blackboard.

WRITTEN EXERCISE AND PRESENTATION:

Supply Chain Mapping Project -- Each student will pair up with another to write a short report and provide a presentation in class. Teams will be responsible for selecting a product to serve as the focus of a supply chain map. The map should look forward to the end-use market(s) and back to the source(s) of supply. Note, however, that examining no more than two tiers forward or back is required. You need only examine the supply of direct materials -- though you are open to examine and comment on related, indirect inputs (e.g., packaging, support equipment).

The team paper should be no longer than 6 pages in text length (double-spaced) with one-inch top, bottom and side margins. The paper should describe the supply chain structure and composition in its current state. Research should identify how the supply chain structure has changed over time and, perhaps, identify the future appearance of the supply chain. A comprehensive analysis calls for the collection of both primary (direct inquiry/interview) and secondary (literature and web-based) sources of data. **Papers are due on TBA**

The presentation too should be a collective effort. The presentation should last approximately 15 minutes with time allowed for questions. Both team members must be involved in the presentation in some manner. Visual aids and creative illustrations of important points are strongly encouraged. The presentations will be delivered on **TBA and TBA**. You may sign up for a date once you have determined your: 1) team, 2) topic (focal product), and 3) preferred date. Note that we will discuss the general guidelines of supply chain mapping in class.

HOMEWORK ASSIGNMENTS:

Homework assignments will be announced in class. Assignments vary in scope and point allocation. They are to be completed on an independent basis and are due at the beginning of the following class meeting unless otherwise noted.

GRADING:

<u>Components</u>	<u>Points</u>	<u>% of Total</u>	<u>Final Grade Scale</u>
Midterm Exam	100	25%	360 – 400 points A
Final Exam	100	25%	320 – 359 B
Homeworks	80	20%	280 – 319 C
SC Map Paper	40	10%	240 – 279 D
SC Map Presentation	40	10%	239 & Below..... E
<u>Participation</u>	<u>40</u>	<u>10%</u>	
Total	400	100%	

Note 1:- Exams will be closed book and closed notes. You will have the fully allotted scheduled time in which to complete each exam.

Note 2:- All undergraduate students will be provided with a Midterm Evaluation of course performance during the midterm grades submission window of the college, based on criteria in the syllabus.

EXTRA CREDIT:

You may earn up to six (6) extra credit points by writing a short paper on a recent news item involving supply chain management. The topic may be selected from current world news or from events and initiatives within industry. There should be no two reports addressing the same topic (there will be a sign-up procedure). The paper should be well-researched and -written though no longer than three (3) pages in length (double-spaced, one-inch margins and 12-point font). You should conduct thorough research on the topic and not simply summarize one or two news articles. The paper should provide brief reference citations within the text and full citations at the back. The deadline for all paper submissions is TBA. Only partial credit will be given to papers that fail to meet my expectations. Should you fail to receive the full 6 points for the paper and wish to revise and resubmit, you may do so as long as you allow me sufficient time to review the original submission and allow yourself time to rework the paper by the TBA deadline.

COURSE POLICIES:

Attendance: Formal, daily attendance will not be taken. However your absence from class could impact your course grade as detailed under Class Participation, below.

Class Participation: Note that 10% of your grade is assigned to class participation. As such, if you are unavailable in class when you are called upon to participate, the absence will be noted and will impact your participation grade.

Adequate preparation for class discussion means reading the assigned material in advance of class. Quizzes may be issued, on an unscheduled basis, to assess class preparedness. Quiz scores will factor into the class participation grade.

You will have an opportunity to evaluate your teammate's contributions to the success of your project (as they will of you). These evaluations factor into the class participation grade.

Classroom Conduct: Make sure that you are making your presence known through positive class contributions. Behavior detrimental to class discussion and progress (e.g. talking, making noise, sleeping, newspaper reading, facebook, etc.) will be heavily considered in this component of your grade. It is of particular importance that we show proper respect for visitors (e.g., guest speakers) to the class.

Schedule Conflicts: All students are expected to take the examinations when scheduled. If an excused conflict does arise, please consult with me to discuss alternative actions. Valid excuses are noted in Section 5.2.4.2—Excused Absences in the Rules of the University Senate.

Cheating: In accordance with University policy, cheating in any form will not be tolerated. The minimum penalty is a "0" for the activity in question. However, significantly more stringent sanctions are possible. Please refer to Section 6.3.0—Academic Offenses and Procedures in the Rules of the University Senate.

Special Needs: If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

COURSE SCHEDULE

We will cover the topics in the following order. Announcements will be made in class should the topics or order of topics change. [Note: This schedule will be updated closer to the beginning of the Fall 2010 term to match the Fall 2010 University Calendar.]

Date	Day	Topic #	Topic Title	Assignment
Aug. 26	W		No Class	
Aug. 31	M	1	Course Introduction	Be here!
Sept. 2	W	2	Supply Chain Management: Overview	SCM, Ch. 1
7	M		Labor Day – no class	
9	W	3	Mapping the Supply Chain	SCM, Ch. 11
14	M	4	Customer Relationship Management	SCM, Ch. 2
16	W	4	CRM (continued)	SCM, Ch. 2
21	M	5	Supplier Relationship Management	SCM, Ch. 3
23	W	6	Customer Service Management	SCM, Ch. 4
28	M	7	Demand Management	SCM, Ch. 5
30	W	8	Order Fulfillment / Mr. Donald Snyder	SCM, Ch. 6
Oct. 5	M	9	Returns Management	SCM, Ch. 9
7	W	10	Manufacturing Flow Management / Mr. Mike Feighery	SCM, Ch. 7
12	M	11	Product Dev't. and Commercialization	SCM, Ch. 8
14	W		Midterm Exam	
19	M	12	Conducting SCM Assessments	SCM, Ch. 10
21	W	13	Lean Thinking and SCM	SCM, Ch. 12
26	M	14	Implementing and Sustaining SCM	SCM, Ch. 13
28	W	15	Partnerships in the Supply Chain	SCM, Ch. 14
Nov. 2	M	16	Supply Chain Metrics	SCM, Ch. 15
4	W	17A	Logistics Fundamentals	Blackboard topic
9	M	17B	Logistics Fundamentals (continued)	Blackboard topic
11	W	18	Purchasing Fundamentals	Blackboard topic
16	M	19	Supply Chain Collaboration	Blackboard topic
18	W	20	Supply Chain Risk Management	Blackboard Topic SC Map Papers due
23 - 25	M W		Thanksgiving Break – No Classes	
30	M	21	Supply Chain Mapping Presentations	Presentations
Dec. 2	W	22	Supply Chain Mapping Presentations	Presentations
7	M	23	Sustainable Supply Chain Management	Blackboard topic
9	W	24	Sustainable Supply Chain Management	Blackboard topic E.C. Papers Due
Dec. 14			10:30 a.m. FINAL EXAM	Excellence on exam

Council of Supply Chain Management Professionals

DIS 390 students are encouraged to consider becoming student members of the Council of Supply Chain Management Professionals (CSCMP), the leading professional organization for those employed in the supply chain field. For an annual membership fee of \$25, students enjoy access to a variety of resources, including the Supply Chain Quarterly, *Journal of Business Logistics* (semi-annually), *Supply Chain Comment* (6x/year), and unlimited access to the Council's member-only web resources. Web resources include a search engine for logistics literature, the CSCMP Résumé Network, and the CSCMP Member Directory – resources that can be valuable in conducting paper research or conducting your job search. For more information, visit the Council's website at: www.cscmp.org.

Reading materials and websites of general interest

Source	Website
About: Supply Chain / Logistics	http://logistics.about.com/
<i>American Shipper</i> magazine	www.americanshipper.com
Association for Operations Management (APICS)	www.apics.org
Bureau of Transportation Statistics	www.bts.gov
Council of Supply Chain Management Professionals (CSCMP)	www.cscmp.org
<i>Inbound Logistics</i> magazine	www.inboundlogistics.com
Institute for Supply Management (ISM)	http://www.ism.ws/index.cfm
<i>Logistics Management</i> magazine	http://www.logisticsmgmt.com/
<i>Purchasing</i> magazine	www.purchasing.com
Supply-Chain Council	http://www.supply-chain.org/index
<i>Supply Chain Management Review</i>	http://www.manufacturing.net/scm/
U.S. Department of Transportation	www.dot.gov