

ORIGINATOR'S SECTION:**1. College:**
☐ CHABSS ☒ CoBA
☐ CoEHHS ☐ CSM
Desired Term and Year of Implementation (e.g., Fall 2008):

Spring 2018

2. Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) ☐ Yes ☒ No**3. Course will be a variable-topics (generic) course?** ☐ Yes ☒ No
(“generic” is a placeholder for topics)**4. Course abbreviation and Number:*** OM 445**5. Title: (Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)**
Warehousing and Distribution Management**6. Abbreviated Title for PeopleSoft:**
(no more than 25 characters, including spaces)
Warehousing and Distribution**7. Number of Units:** 4**8. Catalog Description: (Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)**

Covers warehousing and distribution management, focusing on different aspects of warehouse operation and design. Topics include, but are not limited to, distribution network design, distribution coordination, layout design, material handling systems, storage and order picking methods, warehouse management systems, and benchmarking. Related topics covered may include e-commerce logistics, maritime logistics, and retail logistics.

Prerequisite: BUS 304 or BUS 204 with a grade of C (2.0) or better.

9. Why is this course being proposed?

This course fits within the Global Supply Chain Management Option. Warehouses and distribution centers are essential nodes in supply chain. The course aims to enhance students' critical thinking, in the areas of warehousing, and to provide them with both quantitative and qualitative tools to identify, analyze and manage warehouse operations and logistics issues. The course will be a mixture of front class lectures, (short) case discussions, student and company presentations, company cases, simulation and in class games. This builds students' confidence in the areas of warehousing and distribution by developing their verbal skills to voice, explain and support their thinking.

10. Mode of Instruction*

For definitions of the Course Classification Numbers:

http://www.csusm.edu/academic_programs/curriculumscheduling/catalogcurricula/DOCUMENTS/Curricular_Forms_Tab/Instructional%20Mode%20Conventions.pdf

Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)
Lecture	4	C2
Activity		
Lab		

11. Grading Method:*

- ☒ Normal (N) (Allows Letter Grade +/-, and Credit/No Credit)
☐ Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)
☐ Credit/No Credit Only (C)
☐ Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.**13. Course Requires Consent for Enrollment?** ☐ Yes ☒ No
☐ Faculty ☐ Credential Analyst ☐ Dean ☐ Program/Department - Director/Chair
14. Course Can be Taken for Credit More than Once? ☐ Yes ☒ No

If yes, how many times? (including first offering)

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.



15. Is Course Crosslisted: ☐ Yes ☒ No

If yes, indicate which course _____ and check "yes" in item #22 below.

16. Prerequisite(s): ☒ Yes ☐ No BUS 304 or BUS 20417. Corequisite(s): ☐ Yes ☐ No

18. Documentation attached:

☒ Syllabus ☐ Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:* OM 484-2

20. How often will this course be offered once established?* Once a year

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:*(Mandatory information – all items in this section must be completed.)*21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)? ☒ Yes ☐ No

If yes, please specify:

Elective course for Global Supply Chain Management students

22. Does this course impact other discipline(s)? *(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)* ☐ Yes ☒ No

If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Discipline _____	Signature _____	Date _____	Support _____	Oppose _____
------------------	-----------------	------------	---------------	--------------

Discipline _____	Signature _____	Date _____	Support _____	Oppose _____
------------------	-----------------	------------	---------------	--------------

SIGNATURES : (COLLEGE LEVEL) :

Nima Zaerpour

1. Originator (please print or type name)

2/13/17

Date

2. Program Director/Chair

Date

3. College Curriculum Committee

Date

4. College Dean (or Designee)

Date

(UNIVERSITY LEVEL)

5. UCC Committee Chair

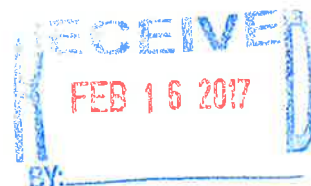
Date

6. Vice President for Academic Affairs (or Designee)


Date

7. President (or Designee)

Date



College of Business Administration
California State University San Marcos
Warehousing and Distribution Management
OM 445

Instructor information	
Name:	Dr. Nima Zaerpour
Office:	Mark 446
Phone:	760 750-4272
Email:	nzaerpour@csusm.edu
URL:	 www.csusm.edu/coba/about/meet-our-faculty/zaerpour.html Linked in: www.linkedin.com/in/nima-zaerpour
Catalog Course Description	<p>Covers warehousing and distribution management, focusing on different aspects of warehouse operation and design. Topics include, but are not limited to, distribution network design, distribution coordination, layout design, material handling systems, storage and order picking methods, warehouse management systems, and benchmarking. Related topics covered may include e-commerce logistics, maritime logistics, and retail logistics.</p> <p><i>Prerequisite: BUS 304 or BUS 204 with a grade of C (2.0) or better.</i></p>
Extended Course Description	<p>This course particularly addresses warehousing and distribution management, also known as “facility logistics.” Facility logistics covers material handling, i.e. the design, planning and control of material flow within the facilities (plants, warehouses, hospitals, cross-docks, hubs, terminals) of the company. The course primarily focuses on warehouses and cross-docks. Many companies use warehouses to receive products from suppliers and deliver them to their customers. Warehouses decouple supply from demand. Moreover, warehouses serve as a point in the supply chain where material flows are grouped together to create transport efficiencies. Topics that will be covered include, but are not limited to, the relation between supply chain networks and facility operations, distribution coordination, layout design, material handling systems, storage and order picking methods, warehouse management systems, and operations benchmarking. In addition, related topics covered may include e-commerce logistics, maritime logistics, retail logistics, and marketing logistics.</p>
Course Learning Outcomes	<p>Upon completion of this course, students will be able to:</p> <ul style="list-style-type: none"> • Recognize and use appropriate quantitative and qualitative tools to analyze and manage warehouse operations and logistics issues. • Describe elements of facility logistics. • Describe the material flow in a warehouse. • Identify and describe appropriate warehouse equipment, layout, order-picking, and automation. • Measure the performance of a warehouse.

Course textbook	<p>Compulsory</p> <ul style="list-style-type: none"> - Bartholdi, J.J., S.T. Hackman (2016) Warehouse and distribution science, PDF available online for free at: http://www.warehouse-science.com/ (you can use Adobe Pro to add your notes to PDF). - All compulsory and background reading papers, are listed per class session on CC <p>Optional (additional reading)</p> <ul style="list-style-type: none"> - Richards, G., Warehouse Management : A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse, Kogan Page, 2014, Available online for Free via CSUSM Library website: https://biblio.csusm.edu/ - Frazelle, E., World-class warehousing and material handling, McGraw-Hill, 2002, ISBN: 0-07-137600-3 <p>Internet links (background materials)</p> <p>Material handling, storage systems, ID systems:</p> <ul style="list-style-type: none"> • http://www.mhi.org This is the website of the American Material Handling industry. Much info on systems and suppliers can be found here • https://www.cirrelt.ca/mhmultimediatebank/. This website contains much background information on all kinds of material handling systems <p>Warehouse design:</p> <ul style="list-style-type: none"> • http://www.rsm.nl/mhf (under 'tools': interactive order picking system design) • http://www.roodbergen.com/ (Interactive warehouse and warehouse optimizer)
Course Website	Lecture notes, assignments, other reading material and announcements will be on the course website- Cougar Courses.
Course Expectations and Preparation	The course is a mixture of front class lectures, (short) case discussions, student and company presentations, company cases, simulation and games. I encourage you to be an active participant in classroom discussions and visit Cougar Courses frequently. Your questions and participation in class will enhance your learning. Do not hesitate to ask questions during lectures. Important information and additional readings will be posted on Cougar Courses. Students are expected to review the assigned reading before class and be prepared for class discussion. I may not necessarily cover all of the materials in the chapter, but it is the responsibility of the student to understand the concepts presented in the textbook and lectures.
Contacting the Instructor	If you require assistance, you are encouraged to speak to me, It is best to email me to make an appointment. However, my door is always open if I am in office ☺.

Course Policies	<ul style="list-style-type: none">• Academic Integrity: Students will be expected to adhere to standards of academic honesty and integrity, as outlined in the Student Academic Honesty Policy. All written work and oral presentation assignments must be original work. All ideas/materials that are borrowed from other sources must have appropriate references to the original sources. Any quoted material should give credit to the source and be punctuated with quotation marks. Students are responsible for honest completion of their work including examinations. There will be no tolerance for infractions. If you believe there has been an infraction by someone in the class, please bring it to the instructor's attention. The instructor reserves the right to discipline any student for academic dishonesty, in accordance with the general rules and regulations of the university. Disciplinary action may include the lowering of grades and/or the assignment or a failing grade for an exam, assignment, or the class as a whole.• Students with Disabilities. Students with disabilities who require academic accommodations must be approved for services by providing appropriate and recent documentation to the Office of Disabled Student Services (DSS). This office is located in Craven Hall 4300, and can be contacted by phone at (760) 750-4905, or TDD (760) 750-4909. Students authorized by DSS to receive accommodations should meet with me during my office hours or in a more private setting in order to ensure your confidentiality.• Confidentiality: In order for us to have a free and open learning environment, each student is expected to respect the confidentiality of any information or material shared in class discussion.• Special Note: Keep your graded work until you receive your final official grade, for there might be recording errors by the instructor.• Attendance: Please make sure to arrive in class on time, participate in assigned activities and stay for the entire class.• Late Submission: Please submit your assignments by the due date. Late submission will jeopardize your grade.										
Grading Components	<table><tr><td>• Attendance and Quizzes</td><td>10 points</td></tr><tr><td>• Assignments and Cases</td><td>50 points</td></tr><tr><td>• Midterm</td><td>20 points</td></tr><tr><td>• Final</td><td>20 points</td></tr><tr><td></td><td><hr/>100 points</td></tr></table>	• Attendance and Quizzes	10 points	• Assignments and Cases	50 points	• Midterm	20 points	• Final	20 points		<hr/> 100 points
• Attendance and Quizzes	10 points										
• Assignments and Cases	50 points										
• Midterm	20 points										
• Final	20 points										
	<hr/> 100 points										
Letter Grades											
The final grades will then be converted to your final letter grades according to the following table:											
93-100	90 < 93	87 < 90	83 < 87	80 < 83	77 < 80	73 < 77	70 < 73	60<70	<60		
A	A-	B+	B	B-	C+	C	C-	D	F		

Tentative Schedule

Week	Topics to be covered
1	Introduction to Facility Logistics Management
2	Distribution Network Design
3	Distribution Strategies and Coordination
4	Warehouse Assessment and Benchmarking
5	Storage Strategies
6	Storage and Handling Equipment
7	Order Picking
8	Warehouse Automation
9	Process and Material Flow
10	Warehouse Layout Design
11	Logistics and Information Systems
12	Optimization in Warehousing
13	Maritime Logistics
14	Marketing Logistics
15	E-commerce Logistics
16	Review and Final Exam
Spare topics	Retail Logistics, Humanitarian Logistics, Military Logistics, Logistics and Human Resource