

The University of Texas at El Paso

Degree Proposal

Approval Page

Proposal Title: Request to modify the prerequisite for OSCM 3336

Department Chair

I have read the enclosed proposal and approve this proposal on behalf of the department.

John Hadjimarcou Digitally signed by John Hadjimarcou
Date: 2021.04.19 09:35:22 -06'00'

04/19/2021

Signature

Date

College Curriculum Committee Chairperson

I have read the enclosed documents and approve the proposal on behalf of the college curriculum committee.



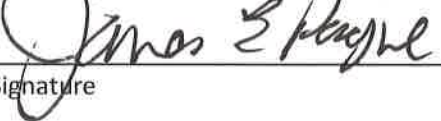
4/27/2021

Signature

Date

College Dean

I have read the enclosed documents and approve the proposal on behalf of the college. I certify that the necessary funds will be allocated by the college in support of this proposal.



4/27/21

Signature

Date

Graduate Council/Undergraduate Curriculum Committee

Council Action:

Approved

Returned to the College

Date of Action Report: _____

Signature, Chairman

Date

Undergraduate Curriculum Change Memo

Date: 3/24/2020

From: Dr. John Hadjimarcou, Department Chair of the Marketing and Management
Department John Hadjimarcou Digitally signed by John
Hadjimarcou
Date: 2021.04.19 09:35:49 -0600

To: Dr. Art Duval, Undergraduate Curriculum Committee

Subject: Request to modify the prerequisite for OSCM 3336

This memo is to request a modification to the prerequisite for OSCM 3336 - Inventory Management. In the past, several OSCM courses had OSCM 3322 as prerequisite, but this prerequisite was eliminated since OSCM 3322 was no longer needed. OSCM 3322 focuses on advanced manufacturing technologies which are not related to any other OSCM course. Therefore, OSCM 3322 was eliminated as prerequisite for all the OSCM courses that were offered in that time. However, OSCM 3336 was not updated, since it has not been offered for a while. The new focus on Transportation and Logistics for the OSCM major requires putting back OSCM 3336 into the course rotation. Hence, the prerequisite has to be changed in order to match the common prerequisite for any OSCM course, which is OSCM 3321.

COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

College : College of Business Administration
Management

Department : Marketing and

Rationale for changing the course:

This memo is to request a modification to the prerequisite for OSCM 3336 - Inventory Management. In the past, several OSCM courses had OSCM 3322 as prerequisite, but this prerequisite was eliminated since OSCM 3322 was no longer needed. However, OSCM 3336 was not modified, since it has not been offered for a while. The new focus on Transportation and Logistics for the OSCM major requires to put back OSCM 3336 into the course rotation. OSCM 3321 is the only OSCM course that is prerequisite for any OSCM course.

All fields below are required

Subject Prefix and number OSCM 3336

Course Title Inventory Management.

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
Prerequisite	(OSCM 3322 w/D or better)	(OSCM 3321 w/D or better)

These changes will be reflected in Banner, Goldmine, and the catalog

**Department of Marketing and Management
Operations and Supply Chain Management (OSCM) Area**

Degree Programs and Courses

DEGREE PROGRAMS:

- **Undergraduate Programs:** Bachelor of Business Administration (BBA) in OSCM, Minor in OSCM for business majors, Certificate in Enterprise Resource Planning (ERP)
- **Graduate Programs:** Participation in the MBA Program with a concentration in SCM

UNDERGRADUATE COURSES:

- **OSCM 3321. Production/Operations Mgmt.**
Production/Operations Management (3-0); Production management and its relationship to marketing, finance, and accounting functions are described. Forecasting demand, aggregate planning, inventory planning and control, and scheduling provide the basis for linking strategic plans to the production plan. Other topics discussed include: quality control, product and process design, facility location and layout, productivity improvement and project management.

3 Credit Hours

Major Restrictions:

Restricted to majors of

ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM

Prerequisite(s): (QMB 2301 w/C or better) AND (ACCT 2301 w/C or better AND ACCT 2302 w/C or better) AND (ECON 2303 w/C or better AND ECON 2304 w/C or better) AND (MATH 2301 w/C or better) OR (MATH 1411) AND (QMB 2301 w/C or better)

- **OSCM 3322. Adv Production/Operations Mgmt.**
Advanced Production/Operations Management (3-0); Discusses the design and implementation of Advanced Manufacturing Technologies (AMT). This includes Just-in-Time (JIT) systems, cellular and Flexible Manufacturing Systems (FMS), and Computer Integrated Manufacturing (CIM). It also explores the key role that manufacturing plays in product development efforts and cross-functional teams. Other topics such as manufacturing, strategy, maintenance, and the design of work systems are presented as well. Case studies and group projects/presentations are used for instructional purposes.

3 Credit Hours

Major Restrictions:

Restricted to majors of

ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM

Prerequisite(s): (OSCM 3321 w/C or better) OR (POM 3321 w/C or better)

- **OSCM 3322A. Adv Prod/Oper Mgmt Lab.**
Advanced Production and Operations Management Laboratory; This course introduces the concepts and tools to design and build computer simulation models of real-world business systems in both the service and manufacturing sector. The simulation models emphasize the analysis of the system's processes and operations over time. The purpose of the simulation models is to conduct numerical experiments and understand the behavior of the system under a given set of conditions.

1.5 Credit Hour
1 Total Contact Hour
1.5 Lab Hour

Prerequisite(s): (OSCM 3321 w/C or better)
Corequisite(s): OSCM3322

- **OSCM 3331. Service Operations Management.**

Service Operations Management (3-0); Methods of process analysis in service organizations, methods improvement procedures, and work measurement techniques are developed to provide the basis for analyses of processes, layouts, and job design in an organization.

3 Credit Hours

Major Restrictions:

Restricted to majors of ACCT,BAMA,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM
Prerequisite(s): (OSCM 3321 w/D or better) OR (POM 3321 w/D or better)

- **OSCM 3333. Production Planning & Control.**

Production Planning and Control (3-0); Material planning and control systems utilizing material requirements planning (MRP) techniques. Production planning, master production scheduling, MRP, capacity requirements planning, and shop floor control techniques are examined from both conceptual and practical standpoints.

3 Credit Hours
3 Total Contact Hours

Major Restrictions:

Restricted to majors of
ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM
Prerequisite(s): (OSCM 3321 w/D or better AND QMB 3301 w/D or better)

- **OSCM 3333A. Prod Planning & Control Lab.**

Production Planning and Control Lab; This course covers the configuration and implementation of Manufacturing Planning and Control concepts in an ERP system . It includes the practice of Demand Management, Resource Planning. Sales and Operations Planning, Capacity Requirements Planning, and Material Requirements Planning. Some emphasis will be placed on Process Management.

1.5 Credit Hour
1 Total Contact Hour
1.5 Lab Hour

Major Restrictions:

Restricted to majors of ERPL
Corequisite(s): OSCM3333

- **OSCM 3334A. Prod Planning & Control Lab.**

Production Planning and Control Lab; This course covers the configuration and implementation of Manufacturing planning and Control concepts in an ERP system. It includes the practice of Demand Management, Resource Planning. Sales and Operations Planning, Capacity Requirements Planning, and Material Requirements Planning. Some emphasis will be placed on Process Management.

1.5 Credit Hour
1 Total Contact Hour
1.5 Lab Hour

Corequisite(s): OSCM3333

- **OSCM 3335. Project Management.**

Project Management (3-0); Various aspect of project management from conception and planning to project control and termination are discussed. Topics include: project scheduling, precedence diagramming, PERT, CPM, budgeting, and project management information systems. Organizational and conceptual issues such as project team development and management structure will be addressed.

3 Credit Hours
3 Total Contact Hours

Major Restrictions:

Restricted to majors of ACCT,BAMA,BSAD,ECON,FIN,GENB,INFS,MGMT,MKT,OSCM
Prerequisite(s): (OSCM_3321 w/D or better AND QMB_3301 w/D or better)

- **OSCM 3336. Inventory Management.**

Inventory Management (3-0); A study of the concepts, principles, problems, and procedures involved in managing inventories of raw materials, work-in-process, finished goods, and supplies. Some emphasis will be placed on the formulation and application of models for the analysis and replenishment of inventories. Implicataions for inventory management of material requirements planning and just in time systems will also be discussed.

3 Credit Hours
3 Total Contact Hours

Major Restrictions:

Restricted to majors of ACCT,BSAD,CIS,ECON,FIN,GENB,IS,MGMT,MKT,OSCM
Prerequisite(s): (OSCM_3322 w/D or better)

- **OSCM 3337. Logistics Management.**

Analysis of logistics concepts, activities, and decisions necessary to plan, implement, and control the private and public physical distribution of goods and services. The focus and emphasis of the course is on physical, human, informational, global, and organizational system components. The course includes such logistics topics as inventory, facility locations, warehousing, traffic and transportation, materials handling, packaging, order processing, customer service, and global logistics.

3 Credit Hours
3 Total Contact Hours

Major Restrictions:

Restricted to majors of
ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM
Prerequisite(s): (OSCM_3321 w/D or better)

- **OSCM 3339. Quality Planning and Control.**

Quality Planning and Control (3-0); A study of the most effective methods for improving product and process quality in manufacturing and service operations. The course covers the following topics:

statistical control charts, quality auditing. Japanese QC tools, process capability, loss functions, statistical tolerances, and experimental design. Statistical computer software will be used.

3 Credit Hours

3 Total Contact Hours

Major Restrictions:

Restricted to majors of

ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM

Prerequisite(s): (OSCM 3321 w/D or better)

- **OSCM 3390. Internship-Prod/Oper Mgmt.**

Internship in Production/Operations Management (0-0-3); A practical and on-site experience is an essential aspect of the learning process for OSCM students. A practical experience in a service operations/manufacturing enterprise will be emphasized. The student will be required to write a paper in a relevant topic agreed upon with the supervising faculty.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

Major Restrictions:

Restricted to majors of

ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM

Prerequisite(s): (OSCM 3321 w/D or better) OR (POM 3321 w/D or better)

- **OSCM 4315. Purchasing & Supply Management.**

The course addresses the strategic and operational side of the purchasing and the supply function in the organization and between organizations. The focus includes developing and implementing a procurement strategy, supplier selection and development, buyer-supplier relationships, global sourcing, negotiation, contract management, and quantity, quality, and cost/price considerations for the purchase of goods and services.

3 Credit Hours

3 Total Contact Hours

Major Restrictions:

Restricted to majors of ACCT,BAMA,ECON,FIN,GENB,INBU,INFS,MGMT,MKT,OSCM

Prerequisite(s): (OSCM 3321 w/D or better)

- **OSCM 4371. Trans & Warehsing Systems.**

Transportation and Warehousing Systems (3-0); Role of transportation systems in economic activity; emphasis on modes of transportation analysis and planning, and the management of transportation systems in supply chains. Administration of warehouse and terminal functions in logistics systems, with analysis of customer service, forecasting, investment, design, and operation activities.

3 Credit Hours

3 Total Contact Hours

Prerequisite(s): (OSCM 3321 w/D or better)

- **OSCM 4375. Oper Mdl for Supply Chain Mgmt.**
Operational Models for Supply Chain Management (3-0); An examination of some of the major operational concepts and issues relating to the flow of materials, goods, services, and information through a company's supply chain-the network of organizations that supply and transform materials and distribute final products to customers. The course seeks to provide an understanding of the importance of individual components (suppliers, manufacturers, distributors, and customers) in the operation of the supply chain. It will emphasize inventory-service level tradeoffs, risk pooling, and other operational concerns. Some of the more recent approaches designed for the effective and efficient operation of the supply chain will be discussed.

3 Credit Hours

3 Total Contact Hours

Major Restrictions:

Restricted to majors of GENB,INBU,OSCM

Prerequisite(s): (CIS 3345 w/D or better AND OSCM 3321 w/D or better AND QMB 3301 w/D or better)

- **OSCM 4398. Independent Study in POM.**
Independent Study in Production/Operations Management (0-0-3); The student studies a topic as a semester-long project.

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

0 Lecture Hours

3 Other Hours

Major Restrictions:

Restricted to majors of

ACCT,BAMA,BSAD,CIS,ECON,FIN,GENB,INBU,INFS,IS,MGMT,MKT,OSCM

Prerequisite(s): (OSCM 3321 w/S or better)

- **OSCM 4399. Current Topics in OSCM.**
Current Topics in OSCM Topics to be announced. This course may be repeated for credits as topics are changed. This course requires departmental approval.

3 Credit Hours

6 Total Contact Hours

3 Lab Hours

3 Lecture Hours

0 Other Hours

Major Restrictions:

Restricted to majors of ACCT,ECON,FIN,IS,MGMT,MKT,OSCM

GRADUATE COURSES:

- **OSCM 5308. Concepts of Production Mgmt.**
Concepts of Production Management (3-0); The production or operations function is concerned with the planning and decision-making activities of managers directly responsible for the conversion of resources into products and services. The operations manager plans production, schedules work and

controls inventories. This course is a study of the issues underlying the management of operations, and introduces the student to a variety of tools and techniques used by operations managers exploring alternative means of implementing decisions.

3 Credit Hours

Prerequisite(s): (QMB 5311 w/C or better)

- **OSCM 5311. Inventory and Materials Mgmt.**

Inventory and Materials Management (3-0); This course addresses the issues and approaches associated with managing the inventory and flow of raw materials, work-in-process, finished goods, and supplies to ensure/ enhance the organization's competitiveness and profitability. Topics will include outsourcing or make-or-buy decisions, international/global sourcing, and computer-based inventory/materials systems, as well as the formulation and application of quantitative models for inventory analysis and decision making. The concepts, principles, and strategic impact of some of the more significant approaches in production/inventory planning and control, such as just-in-time systems material requirements planning and enterprise resource planning, will be discussed.

3 Credit Hours

Prerequisite(s): (OSCM 5308 w/C or better) AND (QMB 5311 w/C or better)

- **OSCM 5325. Gbl Oper & Supply Chain Mgmt.**

Global Operations and Supply Chain Management (3-0); This course is designed to present and discuss concepts, issues, and problems critical to global operations, with some emphasis on those that pertain to the operation and improvement of global supply chains. Innovations in global operations management and technology, as well as the opportunities and challenges posed by such innovations, will be investigated. Coverage will include successful approaches in the areas of product design, quality management, and project management, among others, that have led to dramatic improvements in global business performance. Important recent developments and approaches for the effective operation of global supply chains will be identified and discussed.

3 Credit Hours

Prerequisite(s): (OSCM 5308 w/C or better) AND (QMB 5311 w/C or better) AND (MKT 5311 w/C or better) AND (CIS 5311 w/C or better)

- **OSCM 5330. Mgmt of Service Operations.**

Management of service Operations (3-0); The major concepts of service, the design and implementation of service systems, the operational issues, and the tools for managing a service operation are covered to provide understanding of the broader role of service at both the service and goods firms. Service strategies, service quality, and other emerging service issues are discussed. Special attention will be given to service operations in maquiladora environment.

3 Credit Hours

- **OSCM 5392. Directed Indiv Study in POM.**

Directed Individual Study in Production/Operations Management (0-0-3); This course may be repeated, but no more than three semester credit hours may be applied to satisfy the requirements for the master's degree.

3 Credit Hours

- **OSCM 5394. Current Issues in POM.**

Current Issues in Production/Operations Management (3-0); A course organized to investigate special topics and current issues in production/operations management.

3 Credit Hours

Prerequisite(s): (OSCM 5308 w/C or better) OR (OSCM 3321 w/C or better)