OPERATIONS MANAGEMENT (OM)

OM 300  Intro to Operations Management  3 Credit Hours
Concerned with the strategic, tactical and short-term managerial issues relating to the efficient production of services and products. Examples of such issues are: manufacturing technology selection, facility location, strategic, tactical and operational planning and control and quality. (F.W.S)
Prerequisite(s): MATH 104 or MATH 105 or MATH 113 or MATH 115 or Mathematics Placement with a score of 115
Restriction(s):
Cannot enroll if Class is Freshman

OM 460  Supply Chain Management  3 Credit Hours
This course explores the basic concepts of managing flow of materials in a typical enterprise supply chain. Students will examine a complete overview of material flow, for internal and external suppliers, to and from the enterprise.
Prerequisite(s): OM 300 or OM 400
Restriction(s):
Can enroll if Level is Undergraduate

OM 465  Strategic Sourcing  3 Credit Hours
This course provides an in-depth analysis of the procurement process and supplier management with strong analysis placed on managing a supplier base for both products and services. Both theoretical and quantitative perspectives will be offered. In addition, topics will be addressed from strategic, financial and global perspectives.
Prerequisite(s): OM 300 or OM 400
Restriction(s):
Can enroll if Class is Sophomore or Junior or Senior

OM 470  Analys & Design of Supply Chain  3 Credit Hours
The purpose of this course is to equip the student with the ability and the tools necessary to recognize, analyze, and resolve significant problems in the operation of a supply chain system through the application of quantitative techniques. This course focuses on the strategic role of the supply chain, key strategic drivers of supply chain performance, and the tools and techniques for supply chain analysis.
Prerequisite(s): OM 300 or OM 400
Restriction(s):
Can enroll if Level is Undergraduate

OM 475  Supply Chain Logistics Mgmt  3 Credit Hours
The overarching course objective is to develop an in-depth understanding of integrative managerial issues and challenges related to developing and implementing a firm’s logistics strategy. Attention is directed to the logistical mission confronted by varied types of business organizations. Logistics is positioned as a value-adding process that achieves time and place synchronization of demand stimulation and operations fulfilment. Emphasis will be placed on challenges related to providing logistical support for procurement, manufacturing and market-distribution.
Prerequisite(s): OM 300 or OM 400
Restriction(s):
Can enroll if Level is Undergraduate

OM 480  ERP in SCM  3 Credit Hours
This course provides in-depth coverage of the role and impact of enterprise resource planning (ERP) concepts in managing a supply chain. The design of a supply chain information system (SCIS) and its various components is explored utilizing ERP concepts in matching supply and demand through the implementation of an integrated enterprise. Both theory and applications are emphasized in the course. Hands-on experience in the development of some components of SCIS utilizing ERP systems is provided.
Prerequisite(s): (OM 300 or OM 400) and (ITM 310 or MIS 310)
Restriction(s):
Can enroll if Class is Freshman or Sophomore or Junior or Senior

OM 483  Seminar: Operations Management  1 to 3 Credit Hours
To provide students with an opportunity for intensive study in current selected areas related to the research activities and/or professional activities of faculty members. Permission of School of Management.
Restriction(s):
Can enroll if Class is Senior
Can enroll if College is Business

OM 493  Research:Operations Management  1 to 3 Credit Hours
To provide the advanced student with the opportunity to undertake a research project under the supervision of a faculty member. At least two weeks prior to registration in the term when such a course is to be elected, an interested student must submit to the dean of the school a written request for permission to elect a research course, on a form available in the school office. The request will include a description of the proposed research project. The dean will review the proposal with faculty members to ascertain availability of relevant faculty supervision and to establish appropriate credit. Permission of College of Business.
Restriction(s):
Can enroll if Class is Senior
Can enroll if College is Business

* An asterisk denotes that a course may be taken concurrently.

Frequency of Offering
The following abbreviations are used to denote the frequency of offering: (F) fall term; (W) winter term; (S) summer term; (F, W) fall and winter terms; (YR) once a year; (AY) alternating years; (OC) offered occasionally