OPERATIONS MANAGEMENT (OM)

300 Level Courses

OM 303: Operations Management. 3 credits.
Examines an organization’s operations, including design, management and improvement processes, projects and supply chains, in both product and service environments. Uses analytical models to support key planning and control activities. Notes: Students cannot receive credit for both OM 301 and OM 303. Students with a class of Freshman may not enroll. Non-Degree level students may not enroll.

Recommended Prerequisite: BUS 103 and BUS 200.

Registration Restrictions:
Required Prerequisites: BUS 210 or U210.
Requires minimum grade of C.

OM 320: Supply Chain Management in a Global Economy. 3 credits.
Design, development, and management of supply chain systems, including production and inventory management, distribution channels, and information systems that support them. Emphasizes impact of e-business on companies and industries, including Internet’s impact on the way goods and services flow through value chain from providers to customers. Offered by School of Business. Limited to three attempts. Equivalent to OSCM 320.

Registration Restrictions:
Required Prerequisites: (DESC 301, L301, OM 301 or L301 or L303).
Requires minimum grade of C.

OM 435: Business Process Analysis and Simulation. 3 credits.
Introduces concepts and tools used in designing, modeling, analyzing, and improving business processes. Various business process analysis and simulation methods, such as process mapping/flowcharting, process flow and capacity analysis, service process design, theory of constraints, process modeling and simulation, and business process reengineering are discussed. Offered by School of Business. Limited to two attempts. Equivalent to OSCM 435.

Registration Restrictions:
Required Prerequisites: (DESC 301, L301, OM 301 or L301 or L303).
Requires minimum grade of C.

OM 452: Business Forecasting. 3 credits.
Introduces techniques for producing predictions of future business operations as aids to making planning decisions. Specific topics include judgmental forecasting, forecast accuracy, correlation analysis, smoothing methods, regression models, decomposition, and autoregressive and ARIMA models. Offered by School of Business. Limited to two attempts. Equivalent to OSCM 452.

Registration Restrictions:
**Required Prerequisites:** (DESC 301\(^C\), L301, OM 301\(^C\) or L301) or OM 303\(^C\) or L303.
\(^C\) Requires minimum grade of C.

Students with a class of Freshman or Sophomore may not enroll.

Non-Degree level students may not enroll.

Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Undergraduate Regular scale. ([http://catalog.gmu.edu/policies/academic/grading/](http://catalog.gmu.edu/policies/academic/grading/))

**OM 456: Quality Management.** 3 credits.
Provides an understanding of the multifaceted nature of quality management by emphasizing topics such as quality philosophies, total quality management, design quality, process quality, and managing quality in information systems development. Discusses ISO 9000 and Capability Maturity Model. Uses software, case studies. A third attempt will require academic advisor approval. Offered by School of Business ([http://catalog.gmu.edu/colleges-schools/business/](http://catalog.gmu.edu/colleges-schools/business/)). Limited to two attempts. Equivalent to OSCM 456.

**Specialized Designation:** Writing Intensive in Major

**Registration Restrictions:**
- **Required Prerequisites:** (DESC 301\(^C\), L301, OM 301\(^C\) or L301) or OM 303\(^C\) or L303.
  \(^C\) Requires minimum grade of C.
- Students with a class of Freshman or Sophomore may not enroll.
- Non-Degree level students may not enroll.
- Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Lecture

**OM 462: Honors Seminar in Operations Management (Topic Varies).** 3 credits.

**Specialized Designation:** Topic Varies

**Recommended Prerequisite:** Degree status in ISOM major; senior standing; permission of department.

**Registration Restrictions:**
Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Seminar

**Grading:**
This course is graded on the Undergraduate Regular scale. ([http://catalog.gmu.edu/policies/academic/grading/](http://catalog.gmu.edu/policies/academic/grading/))

**OM 491: Seminar in Operations Management.** 3 credits.
Analyzes selected topics that highlight latest developments in the operations management field, including contemporary research findings and case studies of operations management in business and other organizations. Offered by School of Business ([http://catalog.gmu.edu/career-services/](http://catalog.gmu.edu/career-services/)). Limited to two attempts. Equivalent to OSCM 491.

**Registration Restrictions:**
- **Required Prerequisites:** (OM 301\(^C\)) or OM 303\(^C\), L301 or L303.
  \(^C\) Requires minimum grade of C.
- Enrollment limited to students with a class of Senior.
- Non-Degree level students may not enroll.
- Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Seminar

**OM 492: Internship in Operations Management.** 3 credits.
Opportunity to gain practical, professional experience in conjunction with academic development. An internship is an important part of academic and career preparation. May be used as elective credit, but may not be repeated. Notes: No more than 6 credits of School of Business internship coursework (BUS 492 or OM 492) can be applied towards a student’s 120 (BU) degree applicable credits. Students must receive departmental approval in order to register for this course; please contact the School of Business Office of Career Services for internal eligibility requirements. Offered by School of Business ([http://catalog.gmu.edu/colleges-schools/business/](http://catalog.gmu.edu/colleges-schools/business/)). May be repeated within the degree for a maximum 6 credits. Equivalent to ACCT 492, BUS 492, FNAN 492, MGMT 492, MIS 492, MKTG 492, OSCM 492.

**Recommended Prerequisite:** 75 credit hours

**Registration Restrictions:**
- **Required Prerequisites:** (OM 301\(^B\) or 303\(^B\)) and (MIS 301\(^B\) or 303\(^B\)).
  \(^B\) Requires minimum grade of B-
- Students with a class of Freshman or Sophomore may not enroll.
- Non-Degree level students may not enroll.
- Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Internship

**OM 493: Management of Technology Projects.** 3 credits.

**Registration Restrictions:**
- **Required Prerequisites:** (OM 301\(^C\), L301, DESC 301\(^C\) or L301) or OM 303\(^C\) or L303.
  \(^C\) Requires minimum grade of C.
- Students with a class of Freshman or Sophomore may not enroll.
- Non-Degree level students may not enroll.
- Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Lecture
OM 499: *Independent Study in Operations Management.* 1-3 credits.
By special arrangement with instructor, and approval from associate dean for undergraduate programs. Investigates business problem according to student interest, using state-of-the-art decision science methodology. Offered by School of Business (http://catalog.gmu.edu/colleges-schools/business/). May be repeated within the term for a maximum 6 credits. Equivalent to OSCM 499.

**Registration Restrictions:**

**Required Prerequisites:** (DESC 301<sup>C</sup>, L301, OM 301<sup>C</sup> or L301) or OM 303<sup>C</sup> or L303.

<sup>C</sup> Requires minimum grade of C.

Students with a class of Freshman or Sophomore may not enroll.

Non-Degree or Washington Consortium level students may not enroll.

Students with the terminated from BU major attribute may not enroll.

**Schedule Type:** Independent Study

**Grading:**
This course is graded on the Undergraduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

700 Level Courses

**OM 721: Seminar in Operations Management.** 3 credits.
This course is designed to expose doctoral students to academic research in operations management. Offered by School of Business (http://catalog.gmu.edu/colleges-schools/business/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

**OM 731: Seminar in Supply Chain Management.** 3 credits.
This course is designed to expose doctoral students to a broad foundation in supply chain management research including theory, quantitative and empirical tools. Offered by School of Business (http://catalog.gmu.edu/colleges-schools/business/). May not be repeated for credit.

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)

800 Level Courses

**OM 893: Special Topics in Operations Management.** 3 credits.
This course is designed to expose doctoral students to a specialized topic within the operations management field through theoretical, quantitative and empirical work in the topic area. Offered by School of Business (http://catalog.gmu.edu/colleges-schools/business/). May be repeated within the degree for a maximum 12 credits.

**Specialized Designation:** Topic Varies

**Registration Restrictions:**
Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**Grading:**
This course is graded on the Graduate Regular scale. (http://catalog.gmu.edu/policies/academic/grading/)