Operations and Business Analytics (OBA)

Courses

OBA 199. Special Studies: [Topic]. 1-5 Credits.
Experimental course - topic varies.
Repeatable 99 times when topic changes

OBA 311. Business Analytics I. 4 Credits.
Explores standard protocols for describing and modeling business information and processes; techniques for designing management information systems; criteria for analyzing firms' implementations of information technology. Students cannot receive credit for both OBA 311 and OBA 311H. Sophomore standing required.
Requisites: Prereq: BA 101Z, BA 169Z, EC 201Z, MATH 241, STAT 243Z.
Equivalent to: OBA 311H

OBA 312. Business Analytics II. 4 Credits.
Computer-aided business applications of hypothesis testing, simple linear regression. Introduction to multiple regression and nonparametric techniques. Blocked and completely randomized one- and two-factor experimental designs. Students cannot receive credit for both OBA 312 and OBA 312H. Sophomore standing required.
Requisites: Prereq: OBA 311.
Equivalent to: OBA 312H

OBA 312H. Business Analytics II. 4 Credits.
Computer-aided business applications of hypothesis testing, simple linear regression. Introduction to multiple regression and nonparametric techniques. Blocked and completely randomized one- and two-factor experimental designs. Students cannot receive credit for both OBA 312 and OBA 312H.
Requisites: Prereq: OBA 311 or OBA 311H.
Equivalent to: OBA 312

OBA 335. Operations Management. 4 Credits.
Concepts and applications of operations management. Use of information technology in operations. Topics include forecasting, quality, supply chain management, information systems in operations management, and planning and scheduling. Students cannot receive credit for both OBA 335 and OBA 335H. Sophomore standing required.
Requisites: Prereq: BA 101Z, BA 169Z, EC 201Z, MATH 241, STAT 243Z.
Equivalent to: OBA 335H

OBA 401. Research: [Topic]. 1-21 Credits.
Disciplined inquiry of a topic with varying techniques and assignments suited to the nature and conditions of the problem being investigated. Often pursued in relation to a dissertation or thesis.
Repeatable 99 times

OBA 403. Thesis. 1-6 Credits.
A written document resulting from study or research and submitted as a major requirement for a degree.
Repeatable 99 times

OBA 405. Special Problems: [Topic]. 1-12 Credits.
Specialized inquiry into a particular topic by a student and discussed with a faculty member.
Repeatable 99 times

OBA 406. Practicum: [Topic]. 1-12 Credits.
A series of clinical experiences under academic supervision designed to integrate theory and principles with practice.
Repeatable 99 times

OBA 407. Seminar: [Topic]. 1-4 Credits.
A small group of students studying a subject with a faculty member. Although practices vary, students may do original research and exchange results through informal lectures, reports, and discussions.
Repeatable 99 times

OBA 409. Terminal Project. 1-12 Credits.
A presentation incorporating the knowledge and skills acquired from course work completed for a degree.
Repeatable 99 times

OBA 410. Experimental Course: [Topic]. 1-4 Credits.
Recent topics include Service Operations, Business Analytics, Analyzing Big Data.
Repeatable 99 times when topic changes

OBA 444. Business Database Management Systems. 4 Credits.
Techniques for structuring and storing business data; primary focus on relational database theory, with applied skills for business users, including data warehouses, reporting, and normalization.
Requisites: Prereq: OBA 340 or OBA 340H.

OBA 455. Data Driven Predictive Modeling. 4 Credits.
Introduction to basics of programming and fundamentals of predictive modeling.
Requisites: Prereq: one from OBA 312, OBA 312H, DSCI 345M, MATH 345M.

OBA 465. Sports Analytics. 4 Credits.
The course is intended for students interested in general management, operations, marketing or consulting in sports. The course leverages students' core-course data management skills relating to spreadsheets and databases. Students will work on integrating those data management skills with statistics-based sports data-analytics methods, and thus be able to make rigorous data-driven decisions, as well as effectively communicate the rationale supporting those decisions.
Requisites: Prereq: one from OBA 312, OBA 312H, DSCI 102, DSCI 345M, MATH 345M.

OBA 466. Project and Operations Management Models. 4 Credits.
Frameworks and solutions for managing complex projects and operations; implementing optimal strategies for producing profitable new products and services in the competitive global business environment.
Requisites: Prereq: OBA 335 or 335H.

OBA 477. Supply-Chain Operations and Information. 4 Credits.
Strategic and tactical issues pertaining to the distribution and delivery of products and services. Methodologies and systems for designing, tracking, and managing complex global operations.
Requisites: Prereq: OBA 335 or 335H.

OBA 503. Thesis. 1-16 Credits.
A written document resulting from study or research and submitted as a major requirement for a degree.
Repeatable 99 times

OBA 510. Experimental Course: [Topic]. 1-4 Credits.
Recent topics include Service Operations, Business Analytics, Analyzing Big Data.
Repeatable 99 times when topic changes

OBA 544. Business Database Management Systems. 4 Credits.
Techniques for structuring and storing business data; primary focus on relational database theory, with applied skills for business users, including data warehouses, reporting, and normalization.
Requisites: Prereq: all MBA core courses.

OBA 555. Data Driven Predictive Modeling. 4 Credits.
Introduction to basics of programming and fundamentals of predictive modeling.

OBA 565. Sports Analytics. 4 Credits.
The course is intended for students interested in general management, operations, marketing or consulting in sports. The course leverages students' core-course data management skills relating to spreadsheets and databases. Students will work on integrating those data management skills with statistics-based sports data-analytics methods, and thus be able to make rigorous data-driven decisions, as well as effectively communicate the rationale supporting those decisions.

OBA 566. Project and Operations Management Models. 4 Credits.
Frameworks and solutions for managing complex projects and operations; implementing optimal strategies for producing profitable new products and services in the competitive global business environment.
Requisites: Prereq: all MBA core courses.

OBA 577. Supply-Chain Operations and Information. 4 Credits.
Strategic and tactical issues pertaining to the distribution and delivery of products and services. Methodologies and systems for designing, tracking, and managing complex global operations.
Requisites: Prereq: all MBA core courses.

OBA 601. Research: [Topic]. 1-16 Credits.
Disciplined inquiry of a topic with varying techniques and assignments suited to the nature and conditions of the problem being investigated. Often pursued in relation to a dissertation or thesis.
Repeatable 99 times

OBA 603. Dissertation. 1-16 Credits.
A written document resulting from study or research and submitted as a major requirement for a degree.
Repeatable 99 times

OBA 605. Reading and Conference: [Topic]. 1-16 Credits.
A particular selection of material read by a student and discussed in conference with a faculty member.
Repeatable 99 times

OBA 606. Practicum: [Topic]. 1-16 Credits.
A series of clinical experiences under academic supervision designed to integrate theory and principles with practice.
Repeatable 99 times

OBA 607. Seminar: [Topic]. 1-3 Credits.
A small group of students studying a subject with a faculty member. Although practices vary, students may do original research and exchange results through informal lectures, reports, and discussions.
Repeatable 99 times

OBA 608. Workshop: [Topic]. 1-16 Credits.
An intensive experience, limited in scope and time, in which a group of students focus on skills development rather than content mastery.
Repeatable 99 times

OBA 609. Terminal Project. 1-12 Credits.
A presentation incorporating the knowledge and skills acquired from course work completed for a degree.
Repeatable 99 times

OBA 610. Experimental Course: [Topic]. 1-5 Credits.
Experimental course - topic varies.
Repeatable 99 times when topic changes

OBA 612. Quantitative Methods for Managers. 3 Credits.
Concepts and techniques of analytic decision making, sampling and statistical inference, and regression analysis.

OBA 613. Operations Management. 3 Credits.
Overview of the managerial issues associated with production and delivery of goods and services. Includes the use of quantitative modeling and several case studies in operations.