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2016

M.B.A. in Process Improvement 2016

Nova Southeastern University

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M.B.A. in Process Improvement Course Descriptions 2016

[Course Descriptions](#)

Full-Time professionals are available to discuss the M.B.A. in Process Improvement curriculum with you in greater detail. Simply call 800.672.7223 Ext. 25168 or contact our [Enrollment Services Staff](#).

SCM 5410 Supply Chain Management (3 cr.)

Supply Chain Management encompasses the planning and management of the flow of goods, money, and information from the raw material supplier to the end customer, including activities such as sourcing and procurement, manufacturing, and logistics. It also includes coordination and collaboration with exchange partners, domestically and globally. In essence, Supply Chain Management integrates supply and demand management functions within and across companies. In this course, students will gain a working knowledge of the decisions faced by supply chain managers, as well as the concepts, strategies, processes, tools, and technologies applied to these processes and decisions.

PIM 5450 Quality Management (3 cr.)

This course develops a manager-level understanding of the concept of "quality" and its utility in today's world of business. Quality is necessary to understand the perceived value of goods and services both from an outcomes and process perspective. We use quality to understand, plan and assess the focus of our operations. In this class we cover quality theory and best practices, we immerse students in the process and application of problem analysis and develop their critical thinking skills along with communication skills and systems thinking using rigorous case analyses. Topics include: quality definition, quality management history, quality deployment strategies (lean, six sigma, theory of constraints), we explore some quality tools and we consider quality metrics. We include the cultural and environmental considerations both internal and external to the firm by including behavioral, management and leadership aspects and considerations based on industry sector (manufacturing, service, not for profit, government).

PIM 5455 Project Management (3 cr.)

This course develops the manager's project management knowledge and skills for today's workplace. Topics covered guide the student on how to initiate, plan, execute, monitor, control and finally close out projects. Other management areas discussed include scope, time and cost, as well as interacting with stakeholders and the organization, eliciting customer requirements, team facilitation, communications, procurement, quality and risk management. The student development level for each topic is consistent with the PMI's CAPM and PMP certification requirements. Prerequisites: PIM 5450.

PIM 5460 Process Improvement Methods (3 cr.)

This course develops the highly-leverageable knowledge and skills of process improvement methods for the process improvement leader. We build from a foundation of business statistics and train you in process assessment, improvement and sustainment. Topics include: Lean and Six Sigma and TOC concepts, theories and applications such as measurement systems' analysis, process capability, value stream mapping, waste analysis, 5S, Theory of Constraints, analysis of variance, FMEA, design of experiments, SPC and poke yoke. The student development level for each topic is consistent with the ASQ Black Belt certification requirements.

PIM 5465 Process Improvement Practicum (3 cr.)

This course applies the foundations of process improvement through project work. Project work includes: quality deployment assessment, current state documentation and analysis, root cause assessment, generation and assessment of alternatives and their impact, implementation considerations, control/sustainment considerations. In addition, students apply modeling skills to account for uncertainties and variability of current and future state outcomes. Prerequisites: PIM 5450 or PIM 5005, PIM 5455 or PIM 5010, SCM 5410 or SCM 5830, PIM 5460 or PIM 5020, and QNT 5160 or QNT 5040. Note QNT 5160 may be taken concurrently with PIM 5465.

Foundation Course Descriptions

QNTP 5000 Foundations of Business Statistics (3 cr.)

This course covers collection, description, analysis, interpretation, and presentation of data to support business decision making. Probability distributions, central limit theorem, statistical inference for univariate data; correlation analysis and introduction to linear regression modeling and their application to real world business problems are discussed. The data analysis capabilities of Microsoft Excel are integrated throughout the course.

FINP 5001 Accounting and Finance Foundations (3 cr.)

A survey of the essentials topics in accounting and finance includes modern corporate environments, agency and governance, accounting principles, financial statements, ratio analysis, time value of money, financial decision making tools.

M.B.A. in Process Improvement Overview

2016

Process improvement (PI) is a systematic approach designed to create robust, effective processes and improve existing processes to meet organizational performance goals (cost, schedule and/or quality) now and into the future. Key aspects of PI include: operationally defining quality from the customers' perspective, ascertaining elements of value in processing work toward the quality goals, measuring process inputs and outputs and then understanding their cause and effect relationships, creating and testing improvement options prior to implementation, and then sustaining performance using process feedback. PI requires a strong statistics understanding in order to appropriately leverage process feedback toward making informed decisions.

With an M.B.A. concentration in Process Improvement from the Huizenga College of Business, you will be able to identify and analyze business processes while developing innovative courses of action and solutions. PI applies to products and services in a wide range of industries. The Supply Chain course (SCM 5410) provides the motivation and context for high performance, interdependent processes. The Quality Management course (PIM 5450) provides the foundational understanding of "quality" and then the student applies quality management theories in both Project Management (PIM 5455) and Process Improvement Methods (PIM 5460). The PI Methods course relies heavily on the application of statistical methods. The program culminates in a project-based course (PIM 5465) providing integrated experiential learning for the student.

There is a significant demand for individuals with Process Improvement skills at top companies around the world. The South Florida area alone offers a wealth of opportunities in a variety of industries and experience levels. A small sample of local career opportunities with an emphasis on Process Improvement and Lean Six Sigma can be found on Monster.com.

The knowledge and skills you develop in this concentration are able to be third-party certified by internationally recognized professional organizations.

- The Huizenga College of Business is certified as a Registered Education Provider (REP) by the Project Management Institute (PMI) to provide training. A student that successfully completes the Project Management course (PIM 5455) is able to immediately sit for the Certified Associate in Project Management (CAPM®) exam.
- The PI concentration curriculum in total is designed to be consistent with the depth and breadth requirements of the American Society for Quality's (ASQ) Black Belt certification requirement. Upon successful completion of the Process Improvement Concentration the student will be prepared to immediately sit for the American Society for Quality (ASQ) Black Belt certification exam assuming they have met the ASQ work experience requirement and sufficient documented PI project work.

M.B.A. in Process Improvement Program Features and Curriculum 2016

Program Features

- The Process Improvement concentration courses are offered in the evenings at our main campus and online.
- Process Improvement concentration courses are offered once a year in sequence, one course per term starting in the fall.
- M.B.A. core courses offered
 - Evenings (Main Campus)
 - Online
 - Daytime (Main Campus)
 - Alternating Weekends ([Select Campuses](#))
- Program begins five times annually with starts in August, October, January, March, and May.

For more information about the program, please contact:

The Office of Graduate Admissions

(954)262-5067

1-800-672-7223 ext. 25067

hcbeinfo@nova.edu

Curriculum Guide

Total credits: 39

[M.B.A. Core Courses](#) (21 total credits)

PROCESS IMPROVEMENT CONCENTRATION COURSES (15 TOTAL CREDITS)	
SCM 5410	Supply Chain Management
PIM 5450	Quality Management
PIM 5455	Project Management
PIM 5460	Process Improvement Methods
PIM 5465	Process Improvement Practicum

ELECTIVE (3 TOTAL CREDITS)

XXX XXXX

Open elective course in HCBE

Current students: Please consult your Academic Advisor for program requirements or access [SharkLink](#) for your CAPP report. Program requirements are subject to change, and your Academic Advisor or CAPP report can provide you with the courses required for your catalog term.