OPBU 3438. Operations and Production Management. (3 Credits)
The operations function within an organization is responsible for
managing the process flow that an organization has to use to produce a
product, deliver a service, or both. Operations managers are responsible
for the design, the daily operation, and the improvement of these
processes. This course provides an introduction to the field of operations
management: to understand the key decisions and to see how these
decisions directly impact an organization’s competitiveness and market
performance.
Prerequisites: MGBU 2142 or HPCB 4703 or ECON 2142.

OPBU 3442. ST: Health Care Operations Mgt. (3 Credits)
Health Care Operations Management is a discipline that integrates
scientific principles of operations management to determine the most
effective and efficient methods to support patient care delivery. The
biggest challenge in health care is to provide high quality care while at
the same time keeping cost down. As such, all health care sectors must
be driven by process management, quality improvement, information
technology, knowledge management, and resource alignment. This
course addresses the challenge in many ways, from the design of patient
flow to streamlined process, from resource management to supply chain
management, from quality control to patient safety, from forecasting to
capacity planning, from continuous improvement to project management.
Attributes: OCMG, OPMA.

OPBU 3449. ST: Process Mgt & Six Sigma. (3 Credits)
This course focuses on process management and how to improve
organizational processes by using a body of knowledge known as
Six Sigma. A process is the unity of multiple activities that transform
required inputs into desired outputs. Poorly-designed processes produce
defective goods and services that lead to customer dissatisfaction and
a higher level of internal and external failure cost. Therefore, continually
improving process performance is critical to organizations’ survival and
success. Class lectures, discussions, and case studies in the course
cover the methods and tools used for a Six Sigma project, such as project
selection, process mapping and analysis, data collection, statistical data
analysis, root-cause analysis, and creative thinking for both continual and
breakthrough improvements.

OPBU 3451. ST: Team Dynamics. (3 Credits)
This course is designed to help students understand team dynamics, be
a more productive team member, build teams, lead teams, and address
team challenges. Through a combination of lectures and team-based
activities, students will learn about concepts such as team design, team
performance, team identity, decision making, conflict in teams, creativity,
leadership, and diversity in teams.
Attributes: OCMG, OPMA.

OPBU 3453. ST: Business Dynamics. (3 Credits)
The course introduces the modeling process that world-class firms use
for improving collegial learning and performance. Role-playing games
and simulation models and cases challenge participants’ critical thinking
about business transformations. Using the iThink and Vensim software,
course participants capture their perceptions of decision situations in
very-user-friendly models, and generate new insight into how business
teams adapt to the new transnational realities, through the co-
alignment of competitive and collective tactics.

OPBU 3454. ST: Sustainable Supply Chain. (3 Credits)
Supply chain management is vital for companies to compete in the
global economy. Traditional thinking of cost minimization and lead-
time reduction, however, can lead to logistics designs with significant
environmental costs. Sustainable supply chain practices aim to respond
to the market demand for eco-friendly products and processes while
fulfilling corporate social responsibility. This course introduces concepts
and models for supply chain design and performance measurement.
Sample case studies include carbon dioxide emission reduction through
improved supply chain management and the mechanism of the carbon
market.
Attribute: PRQU.

OPBU 4507. Project Management. (3 Credits)
This course provides the project management skills needed to develop
information and communications systems on time and within budget.
It concentrates on methods and issues of organizing, planning and
controlling projects, and the use of computer-based project management
tools.
Attribute: OCST.

OPBU 4999. Independent Study. (1 to 3 Credits)
Independent Study.

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Independent Study.

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