

MBA PROGRAMS

(Interamerican University of PR Metro Campus)

Students of the Business Administration Program must pass all specialization courses with a minimum grade of B.

Specialization in Industrial Management (M.B.A.)

Required Courses

BADM 6100 Introduction to Industrial Management
BADM 697D Integration Seminar in Industrial Management

Three of the following courses:

BADM 6110 Work Measures and Methods of Improvement
BADM 6120 Analysis of Production Systems
BADM 6130 Production Planning and Control
BADM 6140 Industrial Plant Management
BADM 6170 Advanced Methods in Planning Production and Control
BADM 6290 Logistics of Transportation Systems
BADM 6295 International Operations

Courses Descriptions

BADM 6100 INTRODUCTION TO INDUSTRIAL MANAGEMENT

Principles related to the effective use of the factors of production in manufacturing and non-manufacturing activities. Study of production organization and methods, facilities and the design of control systems of production operations.

BADM 6110 WORK MEASUREMENT AND METHODS OF IMPROVEMENT

Job simplification and laborsaving, operation analysis, operation-time standards and their determination, performance rating and allowances, work measurement by statistical sampling and labor cost control.

BADM 6120 ANALYSIS OF PRODUCTION SYSTEMS

Design and operation of manual, mechanized and automatic production lines: material movement, balancing stations, work-loads for flow production, physiological and psychological factors in task design, support activities and flexibility.

BADM 6140 INDUSTRIAL PLANT MANAGEMENT

Case studies in industrial plant management and policy decisions related to the coordination of plant functioning and its organization.

BADM 6170 ADVANCED METHODS IN PRODUCTION PLANNING AND CONTROL

Application of operations research to production planning and control: linear programming, queuing theory, probability models; PERT, simulation and use of computers.

BADM 6290 LOGISTICS OF TRANSPORTATION SYSTEMS

Fundamentals of terrestrial, aerial and marine systems of transportation management. Analysis of the economy, intermodal strategies, documentation, regulations and operation of transportation systems. Study of distribution systems of the supply chain, transportation of dangerous materials, safety and the operation of airports and seaports.

BADM 6295 INTERNATIONAL OPERATIONS

Aspects of operations management in a global environment. Analysis of the production systems, chain of international supplies and strategies of operation competitiveness at the global level. Emphasis on global communication systems, resource allocation, capital investment and facility planning in a multinational environment.

BADM 6130 PRODUCTION PLANNING AND CONTROL

Inventory theories, production models and programming, quality and cost control, design of production information and control systems.

BADM 697D INTEGRATING SEMINAR IN INDUSTRIAL MANAGEMENT

Integrating Seminar in which cases are analyzed by applying the knowledge and skills acquired in the specialization. Includes analysis of operations, prognoses, costs and production, quality control, design, products and services, location of facilities, suppliers, planning, materials management, supplier chains and project management. Prerequisite: Have completed all specialization courses. Grade: P/NP.