

DEPARTMENT OF MANAGEMENT SCIENCE

**EXECUTIVE MASTER OF
BUSINESS ADMINISTRATION
(EMBA)**

COURSE DESCRIPTIONS

EXECUTIVE MASTER OF BUSINESS ADMINISTRATION (EMBA)

BME 800: QUANTITATIVE METHODS FOR MANAGERS

Set Theory; Functions and Equations; Differential and Integral Calculus; Matrix Algebra; Linear Programming and its applications; Network Analysis; Inventory Models; Simulation; Measures of Central Tendency and Dispersion, peakedness; forecasting, Probability and Probability Distributions; Statistical Inference and Estimation; Functional Relationships.

BME 802: BUSINESS RESEARCH METHODS

Introduction to Business Research; Scientific thinking, The Research Process, Ethics in Business Research. The Design of Research, Design Strategies, Measurement, Sampling Design. The Sources and Collection of Data, Survey Methods, Observational Studies, data collection instruments, Experimentation, Analysis and Presentation of Data; Data Preparation and Preliminary Analysis, Hypothesis Testing, data analysis, Presenting Results. Proposal writing guide.

BME 807: OPERATIONS MANAGEMENT

Operations management concepts, operations strategy and competitiveness, product and service design, supply chain strategy, purchasing, capacity planning, inventory control, material requirement planning, aggregate planning for decisions making, operations management in the contemporary world, quality management, outsourcing, global operations management, current issues in operations management, IT issues in OM, ethical issues in OM. Challenges in operations management, Case studies in OM.

BME 808: PROJECT PLANNING, MONITORING AND EVALUATION FOR MANAGERS

Project management concepts, Project life cycle, organization and culture, planning, and controlling of projects., work breakdown structure, planning and scheduling techniques; Resource allocation, project teams management, project risk management, IT project management, project monitoring and evaluation process, Designing M&E Methods, Log frame, Request for project proposals, PM in the global context, ethical issues in PM, case studies in PM. Project management challenges.

BSU 806: RESEARCH PROJECT

The student is required to carry out a research on topical issues relevant to business and management, with the guidance of the supervisors.