

Online MBA Operations Management Syllabus 2026

Program Overview

An Online MBA in Operations Management is a 2-year postgraduate program structured across four semesters. It is designed to equip students with both strategic and practical knowledge in production, logistics, supply chain, quality management, and business operations.[cite:120][cite:117] The program blends core management subjects in the first year with highly specialized operations-focused courses in the second year, culminating in strategic and international business subjects in the final semester.

Semester-Wise Syllabus

Semester 1: Core Management Foundation

Subject	Key Topics Covered
Management Process and Organizational Behavior	Principles of management, organizational structure, leadership, motivation, group dynamics, conflict resolution
Business Communication	Verbal and written communication, business correspondence, presentations, report writing
Statistics for Management	Descriptive statistics, probability, regression, sampling, hypothesis testing, statistical tools for decision making
Financial and Management Accounting	Financial statements, ratio analysis, cost accounting, budgetary control, variance analysis
Managerial Economics	Demand and supply analysis, production cost theory, market structures, pricing strategies, macroeconomic environment
Human Resource Management	Recruitment, selection, training and development, performance appraisal, compensation, labor laws

Semester 2: Applied Operations & Functional Management

Subject	Key Topics Covered
Production and Operations Management	Production planning, capacity planning, plant layout, scheduling, quality control, lean manufacturing
Financial Management	Capital budgeting, cost of capital, working capital management, dividend policy, leverage
Marketing Management	Consumer behavior, product lifecycle, pricing strategies, distribution channels, marketing mix

Subject	Key Topics Covered
Management Information System	Database management, decision support systems, ERP systems, IT in operations, business intelligence
Operations Research	Linear programming, transportation and assignment models, queuing theory, game theory, simulation
Project Management	Project lifecycle, CPM/PERT, resource allocation, risk management, project monitoring and control

Semester 3: Advanced Operations Specialization

Subject	Key Topics Covered
Research Methodology	Research design, data collection methods, sampling techniques, statistical analysis, report writing
Legal Aspects of Business	Contract law, company law, industrial laws, consumer protection, intellectual property rights
Advanced Production and Operations Management	Advanced scheduling, aggregate planning, Just-In-Time (JIT), Total Quality Management (TQM), Six Sigma
Enterprise Resource Planning (ERP)	ERP concepts, SAP modules, implementation strategies, ERP in manufacturing and supply chain
Logistics and Supply Chain Management	Supply chain design, procurement, inventory management, warehousing, transportation, global logistics
Applications of Operations Research	Advanced LP models, integer programming, dynamic programming, inventory models, decision theory

Semester 4: Strategic & Global Management

Subject	Key Topics Covered
Strategic Management and Business Policy	Corporate strategy, competitive advantage, SWOT analysis, strategic planning, mergers and acquisitions
International Business Management	Global trade, foreign direct investment, international marketing, EXIM policy, WTO, FEMA
Business Leadership	Transformational and situational leadership, organizational change, innovation management, ethics

Detailed Subject Coverage

Core Management Subjects (Semesters 1 & 2)

The first two semesters build a strong management foundation. Statistics for Management introduces students to quantitative decision-making tools including probability distributions, regression analysis, and sampling that are later applied in operations analytics.[cite:120] Operations Research in Semester 2 teaches linear programming, the simplex method, transportation models, and queuing theory — all directly applicable to manufacturing and supply chain scenarios.[cite:120] Production and Operations Management covers the end-to-end fundamentals of manufacturing including capacity planning, quality control, and scheduling.[cite:117]

Operations Specialization Subjects (Semesters 2 & 3)

Advanced Production and Operations Management deepens core skills with topics like JIT manufacturing, Six Sigma, lean principles, and Total Quality Management (TQM).[cite:117] Logistics and Supply Chain Management is one of the most career-defining subjects, covering end-to-end supply chain design, procurement strategies, warehouse management, and transportation network optimization.[cite:120] Enterprise Resource Planning (ERP) introduces students to integrated business software systems like SAP, Oracle, and Microsoft Dynamics, preparing them for industry-level digital operations.[cite:119]

Technology and Analytics Focus

Applications of Operations Research in Semester 3 pushes into advanced optimization techniques including integer programming, dynamic programming, and stochastic models. [cite:120] Management Information Systems bridges technology and business operations, covering decision support systems, data analytics in operations, and IT-enabled supply chains.[cite:119]

Strategic & Global Subjects (Semester 4)

The final semester connects operations decisions with corporate strategy through Strategic Management and Business Policy.[cite:116] International Business Management prepares graduates to handle cross-border supply chains, foreign sourcing, and global trade compliance, including exposure to WTO norms, EXIM policy, and FEMA regulations.[cite:126]

Skills Developed Through This Program

- Designing and optimizing production and supply chain systems[cite:117]
- Applying ERP tools like SAP in real-world manufacturing environments[cite:119]
- Using quantitative and operations research models for business decision making [cite:120]
- Managing logistics networks, warehouse systems, and procurement strategies[cite:120]
- Leading organizational change and process improvement using Six Sigma or Lean methodologies[cite:117]
- Applying research methodology to business problem solving and reporting[cite:120]

Career Opportunities

Graduates of an Online MBA in Operations Management are well-suited for a wide range of roles across sectors.[cite:117] [cite:129]

Job Role	Industry
Operations Manager	Manufacturing, FMCG, Retail
Supply Chain Analyst	E-commerce, Logistics, Healthcare
Logistics Manager	Shipping, 3PL, Aviation
Production Planner	Automotive, Electronics, Pharma
Quality Assurance Manager	Food, Pharma, Engineering
ERP Consultant	IT Services, Consulting
Project Manager	Infrastructure, IT, Construction

Eligibility & Admission Criteria

- **Minimum Qualification:** Bachelor's degree in any discipline from a recognized university[cite:126]
- **Minimum Marks:** 50% aggregate at graduation level (45% for reserved categories in some universities)[cite:126]
- **Work Experience:** Not mandatory for most online programs; preferred by some institutions[cite:126]
- **Entrance Exams Accepted:** CAT, MAT, XAT, CMAT, GMAT, or university-level entrance tests depending on the institution[cite:116] [cite:126]

Top Colleges Offering Online MBA in Operations Management 2026

University	Approx. Total Fee	Accreditation	Mode
Amity University Online	₹2,38,000	UGC, NAAC A+	Online
NMIMS Global Access (NGASCE)	₹1,96,000	UGC, NAAC A++	Online
Manipal University Online (MAHE)	₹1,75,000	UGC, NAAC A++	Online
LPU Online	₹1,50,000 - ₹1,80,000	UGC, NAAC A++	Online
Jain University Online	₹1,40,000 - ₹1,80,000	UGC, NAAC A	Online