

OPERATIONS AND LOGISTICS



MBTN
ACADEMY

SUGGESTED MODULES:

- Inventory 1: Inventory Fundamentals
- Inventory 2: Inventory Metrics
- Inventory 3: Decision Making
- Inventory 4: Inventory Management Systems
- Optimization 1: Mathematical Programming
- Optimization 2: Linear Programming

Inventory 1: Inventory Fundamentals covers definitions and types of inventory, the role of inventory, cycle and safety stock, inventory costs, and ABC analysis.

Inventory 2: Inventory Metrics covers calculating demand, simple forecasting, average aggregate inventory, inventory turnover, bullwhip effect, and the impact of inventory management on financial metrics.

Inventory 3: Decision Making discusses ordering costs, time between orders, inventory holding costs, economic order quantity (EOQ), quantity discounts, and production order quantity.

Inventory 4: Inventory Management Systems discusses periodic vs. perpetual systems, inventory position, quantity to order, time between orders, target inventory, lead times, reorder point and safety stock.

Optimization 1: Mathematical Programming and Excel discusses the fundamentals of mathematical programming for optimizing managerial and economic processes and systems. The basics of Microsoft Excel are also presented.

Optimization 2: Linear Programming introduces linear programming and covers multiple methods for solving linear programming problems, including how to use the Microsoft Excel Solver add-in.



PRICING PER STUDENT / SEMESTER

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| 1-3 Modules: | \$9.95 |
| 4-6 Modules: | \$14.95 |
| 7-10 Modules: | \$19.95 |
| All Modules: | \$39.95 |

PRODUCT OVERVIEW

MBTN allows your students to review and apply business concepts at their own pace through easy-to-use, **on-line tutorials and problem sets**, authored by professors at leading business schools.

Our goal is to improve students' business skills through these interactive exercises. We look forward to working with you!