



ACADEMIA DE STUDII ECONOMICE BUCUREȘTI
DEPARTAMENT MANAGEMENT

Piața Romană nr.7, sector 1, etaj 2,
sala B 201, tel.021 319 19 00, int.165



TOPICS AND REFERENCES
for the position 36 – Associate Professor

Disciplines:

Operational management

Production management

Topics

1. The concept of operational management; Objectives and subsystems of operational management; Principles of operational management system.
2. The functions of Operational Management - scheduling, organizing, coordinating, coordinating, training, and control.
3. Undertaking operational programs by determining resource requirements using MRP method.
4. Coordination - a function of operational management; Inventory of in-process products; Manufacturing batch; Calendar correlation of production schedules of manufacturing sub-units.
5. Economic documents used in manufacturing release sub-activity; Applications of product release in manufacturing; Algorithms for scheduling manufacturing release.
6. Control typology in organizations; Quantity control and quality control of production.
7. Methods of operational management; Just in Time method; Prioritization method; JOBS COP method; Artificial methods of operational management.
8. Types of production; Definition of the type of production and elements of its characterization; Presentation and characterization of the principles of production organization.
9. Renewal and diversification of product nomenclature - requirements of ensuring the competitiveness of the organization.
10. Methods of economic assessment of the optimal technological variant - the technological preparation stage of production of a particular product.
11. Production capacity; Characterization of the methodology of determining the size of the production capacity; Use of formulas and concepts in relation to the typology of production links; Detailing the system of indicators of the system of indicators of the basis of the use of production capacity.
12. The life cycle of a product and analyzing its phases through the process of product renewal.
13. Systems of organization of maintenance and repair of machinery; Systems of organization of execution of maintenance and repair of machinery; Planning of machinery repair.

References:

1. Moldoveanu G., Dobrin C., Dima A., Boghian R., Barbu C.A. – “*Management operațional. Studii de caz și teste grilă*”, Editura ASE, București, 2023.
2. Slack, N., Brandon-Jones, A., Burgess, N. - “*Operations management. Tenth Edition*”, PEARSON Education Limited, 2022.
3. Molaro J. - “*Production and Operations Management*”, Larsen and Keller Education, 2022.
4. Moldoveanu G., Dobrin C. – “*Management operațional*”, Editura Pro Universitaria, București, 2016.
5. Nedelcu M., Bâgu C., Prisac I. – “*Managementul producției, a doua ediție*”, Editura Economică, București, 2021.
6. Badea F. – „*Managementul Producției*”, Editura ASE, București, 2005.