



TOPICS AND REFERENCES
for the position 32 – Associate Professor

Disciplines:

Operational management

Management of quality systems

Production management

Topics

1. The concept of operational management; Objectives and subsystems of operational management; Principles of operational management system and operational processing strategy.
2. Operations management functions - programming, organization, coordination, training, control.
3. Taking over the operational programs by determining the resource requirements, using the MRP method.
4. Methods of operational management; The Just in Time method; The method of priorities; JOBS COP method; Artificial methods of operational management.
5. Quality planning process – identifying customers, their needs and expectations.
6. Quality function - QFD.
7. Quality assessment – SERVQUAL model.
8. Basic tools and techniques of quality management.
9. Total Quality Management: continuous improvement.
10. Types of production; Defining the type of production and its characterization elements; Characterization of existing production types; Presentation and characterization of the principles of production organization.
11. Systems for organizing the maintenance and repair of machinery; Systems for organizing the maintenance and repair of machinery; Machinery repair planning.
12. Production capacity; Characterization of the methodology for determining the size of the production capacity; The use of formulas and concepts in relation to the typology of production chains; Detailing the system of indicators regarding the substantiation of the use of production capacity.
13. Methods of economic assessment of the optimal technological option - stage in the technological preparation of the manufacture of a certain product.

References:

1. Moldoveanu G., Dobrin C. – “*Management Operațional*”, Editura Pro Universitaria, București, 2016
2. William J. Stevenson – “*Operations Management*”, Editura McGraw Hill, 2017
3. Dobrin C. – “*Calitatea în sectorul public*”, Editura ASE, București, 2005
4. Nedelcu M., Băgu C., Prisac I. – “*Managementul Producției*”, Editura Economică, București, 2021
5. Băgu C., Nedelcu M. – “*Managementul Producției*”, Editura ASE, București, 2017