

Title (Planowanie i sterowanie produkcją)	Code 1011102331011110553
Field Management - Full-time studies - Second-cycle studies	Year / Semester 2 / 3
Specialty Production and Operations Management	Course elective
Hours Lectures: 1 Classes: - Laboratory: 1 Projects / seminars: 15	Number of credits 4
	Language polish

Lecturer:

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Status of the course in the study program:

- optional subject

Assumptions and objectives of the course:

- Knowledge of the essence and principles of production planning and shop floor control. Ability to identify hierarchical levels of planning and shop floor control. Basic skills in the field of production planning and control of production. Ability to apply the methods of production planning and control for specific production and organizational conditions.

Contents of the course (course description):

- Content of education:

Lecture: presentation of three basic concepts of production planning - planning for a global, hierarchical planning and scheduling successive. Planning decisions at the level of production, strategic, tactical and operational level. Planning decisions at the level of production: finished goods, components and operations.

Basic model of successive planning - model MRPII. Presented is the concept of Lean Production with a 5-phased process of implementation.

The essence of production control and the principle of control, along with the methods between the department and intra-departmental production control.

Project: Design of the system production planning and control for specific production conditions including organizational planning at the level of finished goods, components and operations, and controlling the process.

Laboratory: The use of IT tools in the process of production planning and control. Simulation of the production planning process.

Introductory courses and the required pre-knowledge:

- Basic knowledge of production management

Courses form and teaching methods:

- lectures, project, lab

Form and terms of complete the course - requirements and assessment methods:

- based on colloquium lecture, project and laboratory reports

Basic Bibliography:

Additional Bibliography: