

Level: bachelor				
Course title: System for providing quality in production				
Status: elective				
ECTS: 8				
Requirements: none				
Learning objectives Mastering the necessary knowledge about systematic production and improving quality in a company's production process.				
Learning outcomes After completing the course, students should be able to define and explain a production company as a system characterized by certain organizational and management structures, explain and define the basic settings of a quality system, the quality of individual systems, and integrated systems of quality assurance, application methods and techniques of quality improvement.				
Syllabus <i>Theoretical instruction</i> Introduction to the problem of quality. Production systems. Systematic quality assurance. ISO 9000 series of standards. TQM - an integrated quality assurance system in companies. Methods and techniques for quality improvement - SWOT analysis, flow charts, Pareto (ABC) diagram, methods of planning: GANTT charts, PERT / COST analysis. HACCP system analysis and risk control in the food industry. HACCP in pharmaceutical production. Standard ISO 22000 - Food safety management. Series of standards ISO 14000. Standard ISO 17025:2006 - accreditation of laboratories. Quality assurance and control of the laboratory. Interlaboratory comparisons. <i>Practical instruction</i> Practical instruction follows the theoretical one.				
Weekly teaching load				Other:
Lectures: 2 (30)	Exercises: AV 4 (60)	Other forms of teaching: 2 (30)	Student research:	