

BASIC INFORMATION:

Organizational unit	01.07.100.	College of Modern Management
Abbreviation	FPE-CMM	
Department	01.06.320.	Department of Marketing and Management
Subject/module	5.03.03.003.	PRODUCTION & OPERATIONS MANAGEMENT
Course/module lecturers		<ol style="list-style-type: none"> 1. Prof.dr. Sanel Jakupović - narrow scientific area: <i>Management</i> 2. Doc. dr.Velibor Peulić – narrow scientific area: <i>Logistics; Management</i>

TYPE OF SUBJECT:

Functional area	General
Level of abstraction	Advanced
Type of course-obligation	Elective

COURSE REGISTER:

Scientific area	5	Social sciences
Scientific field	5.2	Economics and business
Narrow scientific area	5.2.17.	Management

COURSE DESCRIPTION:

Educational and professional goals	<p>The purpose of this study course is to educate students about the basic role that production, its management and creation of new value play in the global economy, as well as to encourage critical thinking in the areas of economic evaluation, business negotiations and development opportunities.</p> <p>In general, the course will be useful for students who intend to pursue a professional career in operations and production management, business logistics and general management. This course will benefit managers who want to develop and find opportunities to reduce costs through effective flexible manufacturing, as well as students who are interested in understanding how optimizing production processes can improve revenue growth and overall business results. Although the general nature of the course is not strictly analytical, it is necessary to possess general knowledge of economics and management.</p> <p>In support of the understanding of the concept of production management, this course will seek to evaluate current trends, growth and development opportunities, global patterns and market niches within the field of modeling and optimization of business and production processes. In fulfilling these goals, the course will use a holistic approach and will rely on seminars of expert guest lecturers, relevant case studies, analysis from professional journals, and textbook chapters.</p>
Competences/educational outcomes	Students should understand "Production & Operations Management" as a modern management concept for improving business operations and get acquainted with the possibilities of solving various problems with the help of the settings of this concept.
Mastered skills:	<ul style="list-style-type: none"> • Based on market research, define the level of product/service quality; • Design the production process through phases: process selection, technology selection, process flow analysis, and spatial distribution of production assets;

	<ul style="list-style-type: none"> Plan capacities using methods of forecasting, aggregate planning and scheduling of production, and project planning; How to manage stocks in independent demand using material needs planning, i.e. production system just in time (JiT); Get acquainted with the basics of work management through job design and measuring and improving performance.
Course content:	<p>PART I. INTRODUCTION (Production function; production strategy; product design; case studies)</p> <p>PART II QUALITY MANAGEMENT AND CONTROL QUALITY (Quality management; quality control and improvement; case studies)</p> <p>PART III PROCESS DESIGN (Process selection; service production design; technology selection; process flow analysis; spatial distribution of resources for work; studies cases)</p> <p>PART IV. CAPACITY PLANNING AND TERMINATION (Forecasting; Decisions on means of work; aggregate planning; production scheduling; project planning and scheduling; case studies)</p> <p>PART V. INVENTORY MANAGEMENT (Independent Demand Inventory; Material Needs Planning; Just-In-Time Production; Case Studies)</p> <p>PART VI. WORK MANAGEMENT (random power management in production; job design; measurement and performance improvement; case studies)</p> <p>PART VII. GLOBALIZATION OF PRODUCTION (International production)</p>

COURSE METRIC:

ECTS	Teaching activities (classes)					Individual work		Total working hours
	Contact lessons	Exercise and training	Seminar and stud. papers	Pedagogical workshops	Internship	Individual and group study	Research	
5	40		18	18		62	12	150

Lecture languages	Languages of the people of BiH	English language		
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PREREQUISITES FOR ACCESS

Code	Course/module title	Grade	Description of conditions (additional)
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5.03.03.005 .	Technological management	≥ 6	<i>Students of the College of Modern Management are required to previously pass the exam in the compulsory subject "Technological Management" (III semester)</i>
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5.03.03.002.	Supply chain management	attendance	<i>Students are obliged to attend the elective course in "Supply chain management"</i>
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COURSE METHODOLOGY

During the course, the following activities are envisaged

- 60 contact hours of interactive lectures; 15
- hours for research;
- 15 hours of exercise and training;
- 15 hours for seminar papers; 20
- hours for internship;
- 100 hours for individual and group study

Lectures according to the established schedule with the use of modern presentation and demonstration tools and techniques with the application of interactive methods of working with students, which provides insight into their prior knowledge and specific experiences based on the issues, but also insight into the continuity of mastering the material.

Use of didactic and **educational content in electronic and digital form** (which includes recorded lectures and mentoring exercises) on various video presentation media (video tapes, interactive multimedia optical media).

Problem workshops in which the contents related to certain topics are presented in the form of a specific problem whose solution should be offered through individual and group interaction. Specific case-study analysis workshops are applied.

Internship is performed in partner institutions and business organizations for a total of 20 hours. As part of the internship, the student has the obligation to consult with the heads of the competent Department. During the internship, students prepare professional reports that are evaluated by the internship leader. The task of the internship leader and the student within this course is to ensure the mastery and application as a whole, i.e. mastering and applying a number of specific methods and techniques related to production management.

STUDENT EVALUATION

No.	Evaluation type	Partial/ Final	Optional/ Mandatory	Perc. of part.
01	Participation in contact work - interaction in lectures	Pre-exam obligation	Mandatory	15 %
02	Participation in exercises	Pre-exam obligation	Mandatory	10%
03	Assessment of student internship	Pre-exam obligation	Mandatory	10%
04	Assessment of seminar paper	Pre-exam obligation	Mandatory	20 %
05	Exam activities - partial tests (problem tests)	Partial	Optional	15 %
06	Exam activities - final test (problem test, written test)	Final	Mandatory	30 %

LITERATURE/RESOURCES (listed in order of importance)

Author (name and surname)	Publication title	Publ. seat	Publisher	Issue year	Type of publ.*
a/ Basic literature					

Roger G.Schroeder	Operations Management (Production management, decision making in the function	USA/ Croatia	McGraw-Hill,Inc. / Mate Zagreb	1993/ 1999	courseboo k
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	of production, 4th issue, translation) <i>ISBN 963-6070-37-5</i>				
Jakupović, S., Peulić, V.,	Upravljanje proizvodnjom – proizvodni i operativni menadžment <i>(Script in preparation)</i>	Banja Luka	Pan-European University Apeiron	2015	script
b/ Additional literature					
Živoslav Adamović et. al.	Proizvodni i operativni menadžment	Serbia / Zrenjanin	University of Novi Sad Technical faculty Mihajlo Pupin Zrenjanin	2005	coursebook
Russell, R.S. in Taylor, B.W.	Operations Management	USA	Hoboken: J. Wiley & Sons, sop.	2011	coursebook
Kavčič, B.	Upravljanje proizvodnje	Slovenia	Novo Mesto College of Management and Business	2000	coursebook
c/ Other resources - journals					
Author name and surname <i>(if the resource is an article)</i>	Journal title	Publ. seat	Publisher	Issue year	Type of journal
d/ Other resources – Internet (WEB) resources					
Website	Webpage	Paper title/hyperlink	Read		
(*)Type of publication (coursebook, script, compendium, multimedia)					