

Course Profile
Department of Management / Management Program

Course Number: MAN351	Course Title: Production Management
Required / Elective: Required	Pre / Co-requisites: -
Catalog Description: Introduction to production management, competitiveness, strategy, and productivity concepts, forecasting, product and service design, strategic capacity planning for products and services, process selection and facility layout, location planning and analysis, management of quality, quality control.	Textbook / Required Material: William J. Stevenson (2009) "Operations Management", International Edition, McGraw-Hill.
Course Structure / Schedule: (3+0+0) 3 / 6 ECTS	
Extended Description: At the end of this course, students should be able to understand the strategic role of production in all types of organizations, study the elements of the production systems, and discuss applications across a range of industrial and service segments. This course will enable students to develop an understanding of the importance of the links between customer needs and operations design. In addition, they will be able to develop analytical skills necessary to design and improve operations as well as obtain skills for forecasting product demand and supply.	
Design content: None	Computer usage: Microsoft Word, Excel
Course Outcomes: [relevant program outcomes in brackets]: By the end of this course, students will be able to: 1. Describe concepts and theories of production management. [1,2,3] 2. Forecast production by analyzing demand, sales or profit. [2,12] 3. Solve production problems where managerial decision making should be handled. [10,12] 4. Describe the characteristics & methods of designing of a product/service [1,2,3] 5. Demonstrate knowledge on productivity, strategy and competitiveness. [2,3] 6. Apply teamwork skills as they worked in teams of students for case studies. [3,4] 7. Demonstrate familiarity in strategic capacity planning, process selection and facility layout, location planning and analysis. [11] 8. Demonstrate knowledge on management of quality and quality control [1]	
Recommended reading: Lee J. Krajewski, Larry P. Ritzman (2009), "Operations Management: Strategy and Analysis", Addison-Wesley.	
Teaching methods: Lectures, slides, problems, case study discussions.	
Assessment methods: Attendance: 5 % Midterms: 30 % Final Examination: 40 % Assignments, Case Studies, Quizzes, Problems: 25 %	

Student Workload/ECTS (European Credit Transfer System) Tableau:			
Activity:	Number:	Duration (hour):	Total Workload (hour):
Pre- reading	14	3	42
Lectures	14	3	42
Assignments	5	3	15
Quizzes	3	3	9
Case studies	3	2	6
Problems	3	2	6
Midterm	1	14	14
Final Examination	1	16	16
TOTAL 150 /25= 6 ECTS			

Weekly Subjects and Related Preparation Studies		
Week	Subject	Related Preparation
1	Introduction to class and syllabus	
2	Introduction to Production Management, Concepts, History	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
3	Productivity, Competitiveness and Strategy The Decision Process	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
4	Forecasting	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
5	Product & Service Design	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
6	Strategic Capacity Planning for Products and Services	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
7	Midterm Week	
8	Process Selection and Facility Layout	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
9		William J. Stevenson, Operations Management, International

	Design of Work Systems	Edition, McGraw-Hill.
10	Location Planning and Analysis	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
11	Total Quality Management and Quality Control	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
12	Supply Chain Management	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
13	Inventory Management	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.
14	Just-in-Time Production & Lean Operations	William J. Stevenson, Operations Management, International Edition, McGraw-Hill.

The Relationship Between Course Learning Outcomes and Program Qualifications

	Program Qualifications / Outcomes	Level of Contribution				
		1	2	3	4	5
1	Comprehend how to plan, organize, lead and control within an organizational setting	x				
2	Integrate the theories with the real life functions.				x	
3	Communicate and present ideas effectively in verbal and written.				x	
4	Participate in a team work effectively and increase the dynamics of the team.					x
5	Use computer-based technology and related packaged software.				x	
6	Consider the principal laws that provide the legal framework for business.	x				
7	Hold a basic knowledge about accounting methods and their applications in business world.	x				
8	Apply financial analysis techniques within a business environment.	x				
9	Identify the functions of marketing and their applications to business.	x				
10	Utilize basic quantitative analysis and their applications in the				x	

	business world.					
11	Apply basic principles of business processes and project management techniques.					x
12	Utilize the skills and techniques of data collection for problem solving and decision making.					x
13	Achieve an interdisciplinary point of view.		x			
14	Have the consciousness of business ethics and social responsibility issues.				x	
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