

DESCRIPTION OF THE COURSE

Name of the course: Manufacturing Strategies	Code: BIE66	Semester: 8
Type of teaching: Lectures and tutorials	Lessons per week: L – 2 hours; T – 1.5 hours	Number of credits: 3

COURSE STATUS IN THE CURRICULUM: Compulsory for the students specialty Industrial Engineering BEng programme of the English Language Faculty of Engineering.

AIMS AND OBJECTIVES OF THE COURSE: To familiarise the students with the main problems and tasks of the manufacturing strategy and the ways for their solution. The course includes the interface relations between the manufacturing strategy and the marketing, R&D, F&A, management, CIS, etc. activities. It deals with the practical manufacturing strategy implementation issues, related to the business plan and strategic alternatives development.

DESCRIPTION OF THE COURSE: The main topics include: manufacturing strategy role and scope; manufacturing strategy development; areas of strategic manufacturing decisions; management of the material supply chain; production capacity planning strategy; production improvement strategies; interface between the manufacturing and the other functions; practical implementation of the manufacturing strategy.

PREREQUISITES: Industrial Manufacturing Systems, POM, Management science, Marketing, CIM.

TEACHING METHODS: Lectures, using slides; case studies; personal and group presentations.

METHOD OF ASSESSMENT: Mid-term test (30%); exam in the end of the semester (40%); case study participation (30%).

INSTRUCTIONAL LANGUAGE: English.

BIBLIOGRAPHY:

1. Wickham Skinner, Manufacturing in the Corporate Strategy, John Wiley & Sons, 1980;
2. Terry Hill, Manufacturing Strategy, Macmillan, 1993;
3. Christopher Voss, Manufacturing Strategy (Process and Content), Chapman & Hill, 1992;
4. Thomas Gunn, Manufacturing for Competitive Advantage, Ballinger Publishing Company, 1987.