

Syllabus

| Basic data of the subject | | | |
|--|--|-----------------|-----------------|
| Academic unit: | Faculty of Engineering and Informatics | | |
| Title of the subject: | Operations and Production Management | | |
| Level: | Master | | |
| Course Status: | Core | | |
| Year of studies: | 1 | | |
| Number of hours per week: | 3 | | |
| Value of Credits - ECTS: | 6 | | |
| Time / location: | | | |
| Course lecturer: | Prof.dr. Bujar Pira | | |
| Contact details: | bujar.pira@ushaf.net | | |
| Course Description | | | |
| | <p><i>This subject addresses the issue of production management focusing on production and support operations, as an essential part of the overall management of the enterprise. While production management deals with the management of the final product generation process from the raw material, operations management is responsible for the efficient management of all tasks responsible for transforming revenues into outputs and finding ways to improve, to better meet business objectives and customer needs.</i></p> | | |
| Objectives of the course: | | | |
| | <p><i>The aim of the subject is to study the management of production and operations within the entire management of the enterprise, the function of which is the transformation of inputs into outputs, respectively into a product. The basic purpose of the subject is to achieve efficient management of this function, respectively to meet business objectives and customer needs.</i></p> | | |
| Expected learning outcomes: | | | |
| | <p><i>Upon successful completion of this subject, student will be able to:</i></p> <ul style="list-style-type: none"> • <i>Critically evaluate the role of production operations in the development of the enterprise strategy</i> • <i>Analyze the relationships between manufacturing operations and marketing in business performance</i> • <i>Understand the challenges of management in planning, organizing, directing and controlling production operations in order to meet the objectives of the enterprise</i> • <i>Use a range of problem-solving techniques to help make effective decisions</i> | | |
| Contribution to the student load (which must correspond with learning outcomes) | | | |
| Activity | Hour | Day/Week | In total |
| Lectures with lab tutorials | 3 | 14 | 42 |
| Practical work (visit the company) | 3 | 1 | 3 |

| | | | |
|--|----|----|------------|
| Contacts with teacher / consultations | 2 | 1 | 2 |
| Field exercises | | | |
| Midterm, seminars and projects. | 10 | | 10 |
| Homework | | | |
| Self-learning time student (at the library or at home) | 4 | 15 | 60 |
| Final preparation for the exam | 15 | 2 | 30 |
| Time spent on evaluation (tests, quiz and final exam) | 2 | 1 | 2 |
| Projects and presentations. | 1 | 1 | 1 |
| Total | | | 150 |

| | |
|-------------------------------|---|
| Teaching methodology: | <p><i>The subject takes 15 weeks with 3 hours of lectures and individual and group exercises as well as study visit to companies</i></p> <p><i>Exercises will be held in the form of individual and group work in which concrete examples will be analysed and discussed.</i></p> <p><i>Active participation is extremely important so students are encouraged to attend lectures and contribute to the discussions that take place in lectures.</i></p> <p><i>Part of the learning process will be the visit to the manufacturing company for the purpose of analyzing the process of operations and production as part of the seminar work.</i></p> |
| Assessment methods: | <ul style="list-style-type: none"> • <i>Final exam rated with 40% of the grade. The exam consists of questions selected from the list of pre-seen questions (open-ended questions).</i> • <i>Seminar work evaluated with 50% of the grade. The seminar work is a group work, where the operations and production in an enterprise will be analyzed and alternatives for their improvement will be identified.</i> • <i>Presentation of the seminar work with 10% of the grade</i> |
| Literature | |
| Basic Literature: | <i>Panariti, S., Menaxhimi i Operacioneve, Tiranë.</i> |
| Additional Literature: | <ol style="list-style-type: none"> 1. <i>Slack, N, Chambers, S & Johnson, R 2009, Operations Management, 6th ed, Financial Times/Prentice Hall, Harlow</i> 2. <i>Hill, T 2005, Operations management, 2nd ed, Palgrave, Printed in Chine.</i> |

| | |
|-------------------------------|--|
| Designed learning plan | |
| Week: | Lectures and exercises to be held |
| Week one: | <i>Introduction</i> |

| | |
|-----------------------|--|
| Week two: | <i>Production and operations strategy</i> |
| Week three: | <i>Job management and design</i> |
| Week four: | <i>Product design and development</i> |
| Week five: | <i>Capacity management</i> |
| Week six: | <i>Technological developments</i> |
| Week seven: | <i>Inventory management</i> |
| Week eight: | <i>Visits to the enterprise</i> |
| Week nine: | <i>Timing planning and execution of operations</i> |
| Week ten: | <i>Quality management</i> |
| Week eleven: | <i>Supply chain management</i> |
| Week twelve: | <i>Product Positioning and operations flow</i> |
| Week thirteen: | <i>Corporate Social Responsibility (CSR)</i> |
| Week fourteen: | <i>Consultations about the seminar paper</i> |
| Week fifteen: | <i>Presentation</i> |

| |
|---|
| Academic policies and rules of conduct |
|---|

| |
|--|
| <i>Regular attendance of lectures and exercises is necessary, as well as active participation with discussion and solution of tasks. Not impeding the progress required for learning using mobile phones turned off or in silent mode.</i> |
|--|