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|  | **Óbuda University Keleti Faculty of Business and Management** | | | | | | | | |
| **Unit of Study:** | Production Management | | | | | **Subject code:** | | GVXTM1ABNE | |
| **Institute:** | Department of Enterprise Management (1084 Budapest, Tavaszmező str. 15-17.) | | | | | **Credits:** | | 4 | |
| **Course type:** | Full-time | | | **Language:** | | English | | **Term:** | Fall / Spring |
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| **Major:** |  | | | | | | | | |
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| **Lecturer-in-charge:** | Regina Zsuzsánna Reicher, Ph.D. | | | **Lecturer(s):** | | Regina Zsuzsánna Reicher, Ph.D. | | | |
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| **Prerequisites:** | None | | | | | | | | |
| **No. of sessions  per week/term:** | Weekly | **Lecture:** | 1 | **Seminar:** | 2 | **Lab:** | 0 | **Consultation:** | 0 |
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| **Exam/Course assignment:** | Midterm exam | | | | | | | | |
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| **Course objectives:** | Goals of the course students learn the manufacturing and service processes, these specific elements, some market relations, production methods, and to develop problem-solving skills. | | | | | | | | |
| **Course assessment:** | Lectures and exercises regularly visit. Exercises visit is mandatory and is checked according to the RSE.  The condition of obtaining of the mid-term mark are:  - every student must do a presentation  - mid-term test successfully writing the ont the 8th and 14th weeks. | | | | | | | | |
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| **Week (consultation)** | **Course content** | | | | | | | | |
| **1.** | The process of developing production management. | | | | | | | | |
| **2.** | Mass production and product life cycles, product-process matrix. Economies of scale | | | | | | | | |
| **3.** | Forecasting models - demand a permanent basis | | | | | | | | |
| **4.** | Forecasting models - trends and seasonality | | | | | | | | |
| **5.** | Forecasting models - error checking and model | | | | | | | | |
| **6.** | Short-term capacity analysis and planning I.; Short-term capacity characteristics; Demand and capacity management | | | | | | | | |
| **7.** | Short-term capacity analysis and planning II.; Learning Effect; Reliability of production systems | | | | | | | | |
| **8.** | TAKE TEST | | | | | | | | |
| **9.** | Inventory Management Planning; Presentations | | | | | | | | |
| **10.** | Determination Inventory Level; Presentations | | | | | | | | |
| **11.** | Case Study Processing (short film or invited lecturer); Presentations | | | | | | | | |
| **12.** | Material Requirements Planning and Enterprise Resource Planning systems; Presentations | | | | | | | | |
| **13.** | Just in time (Just-in-Time) systems. Kanban; Presentations | | | | | | | | |
| **14.** | TAKE TEST | | | | | | | | |
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| **Assessment (method of assessment,  make-ups and re-sits):** | Requirements for the signature: Attendance on seminar is obligatory. Maximum 2 absenteeism is allowed. Being absent more than 2 times, students will be removed from the register. Students take a test on the 8th and 14th educational week.  Evaluation of the end term mark: End term mark is equal with the mark of the successful test or retake  Every student has to make a presentation in groups (group/3 persons). You can choose the topic on 3th or 4th week.  Scoring:  Mark 1: 0-50 % insufficient  Mark 2: 51-60 % satisfactory  Mark 3: 61-74 % medium  Mark 4: 75-85 % good  Mark 5: 86-100 % excellent | | | | | | | | |
| **Course completion (written or oral exam, test, etc.):** | mid-term writing test | | | | | | | | |
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| **Compulsory literature:** | Linda Gorchels PRODUCTION MANAGEMENT: The Product Managers Handbook - The Complete Product Management Resource.  e-learning system | | | | | | | | |
| **Recommended literature:** | Lot of different literatures. You can find ont he e-learning system | | | | | | | | |
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| **Additional material:** | Accounting Act (can be found in Moodle too)  List of terms | | | | | | | | |
| **Quality management aspects:** | TÜV CERT EN ISO 9001:2000 | | | | | | | | |