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| 1. Course title: Handling SAP ERP 6.0 MM-PP-SD Modules | | | | | |
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| 2. Code: | | 3. Type (lecture, practice etc.): lecture, practice | | | |
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| 4. Contact hours: 2lect+2pract | | 5. Number of credits (ECTS): 5 | | | |
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| 6. Preliminary conditions (max. 3): | | | | | |
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| 7. Announced:fall semester, spring semester, both | | | | | |
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| 8. Limit for participants: 40 | | | | | |
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| 10. Responsible teacher (faculty, institute and department):  Gábor Pauler PhD (Faculty of Science, Institute of Mathematics and Informatics) | | | | | |
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| 11. Teacher(s) and percentage: | | Dr. Gabor Pauler | | 100 % | |
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| 12. Language:Hungarian/English on demand | | | | | |
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| 13. Course objectives and/or learning outcomes:  The goal of the course is to introduce students into basic theory of ERP systems and usage of MM, SD, PP modules of SAP ERP 6.0 with the help of a Lego-based team game:  **Knowledge:** ERP theory, SAP architecture and GUI, material master, vendor master, PIR, BOM, routing, product costing, MRP, customer master, SD/invoicing document flow  **Skills:** Student should be able to perform basic SAP operator jobs in multinational companies after completing the course. With further training they became 2nd level incident specialists.  **Motivation:** 15% of students find SAP-related job even before completing the course with one of the highest beginner/training salaries in industry.  **Autonomy:** Students are randomly put in 4 project teams, where internal structure and task allocation is governed by students. | | | | | |
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| 14. Course outline in weeks  1. ERP general theory, benefits and dangers  2. SAP ERP history, SAP ERP 6.0 architecture, system of SAP products  3. SAP scenarios, error handling in SAP  4. SAP GUI and basic transactions  5. Material master: material types, creation, modification, views of MM03 and their settings  6. Theory of purchasing, vendor master, PIRs  7. Manual purchase in SAP: PurchReq, PurchOrd, Goods receipt  8. Theory of BOM and handling in SAP  9. SOP/MPS/MRP theory, creating SOP, MRP runs in SAP  10. Theory and preconditions of routings, cost centers, activity types, work centers, tariffs  11. Product costing theory, standard prices, moving prices, Product costing in SAP  12. Customer master and customer conditions in SAP  13. Creating sales order, delivery, goods issue, invoicing | | | | | |
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| 15. Mid-semester works  9. Group presentation: matmas, vendormas, PIR, BOM: 25%  13. Group presentation: routings, product costing, MRP runs: 25% | | | | | |
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| 16. Course requirements and grading  50%: From team project presentations.  50%: Oral exam  Aggregated grading (no separate limits on exam and team project) 0-49%:Fail(1), 50-69%:Suffice(2), 70-79%:Medium(3), 80-89%:Fair(4), 90-100%:Excellent(5) | | | | | |
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| 17. List of readings   1. PTE-TTK SAP TERP10 Electronic Course Material (in English): <ftp://szentagothai.ttk.pte.hu/pub/pauler/SAP-TERP10/> | | | | | |
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| 18. Recommended texts, further readings   1. Shaw, G, - Martens, H: SAP Bible, Wiley, 2013 ISBN 23-45612-3-12 | | | | | |
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| **Date** | 28 April, 2017 | **Prepared by** |  | | |
| Dr. Gábor Pauler  responsible teacher | | |
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| **Endorsed by** | | |  | | |
| Dr. habil Mátyás Koniorczyk  program supervisor | | |