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| 1. Course title: Basics of SAP ABAP programming | | | | | |
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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 | | | | | |
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| 13. Course objectives and/or learning outcomes:  Our goal is to provide introduction for students into basics of ABAP programming of SAP ERP 6.0:  **Knowledge:** ERP theory basics, SAP architecture and GUI, ABAP data types and control commands, handling internal tables, DDIC database table handling  **Skill:** Students will be able to write simple ABAP code, doing basic corporate reporting, making computations with querying database- and internal tables.  **Motivation:** Students completing this course are captured very quickly by employers, as there is a considerable demand on market for ABAP programming skill. Also it gives the highest return for programmer for one line of code written, as market is already carved for the code by SAP.  **Autonomy:** Teams of students can select from group projects offered by the tutor. | | | | | |
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| 14. Course outline in weeks  1.ERP basics  2.Architecture of SAP  3.SAP GUI  4.ABAP syntax and subroutines  5.ABAP Editor SE80  6.Access right control, general program structure, event handling, function modules  7.Lists, Dialog modules, Dynpros  8.ABAP basics programming team project presentation  9.Jobs, Queries, Forms  10.SAP scripting  11.SmartForms  12.SAP ABAP OOP basics  13.Dialog programming group project presentation | | | | | |
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| 15. Mid-semester works  8.ABAP basics programming team project presentation: 25%  13.Dialog programming group project presentation: 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 SZJSZK SAP ABAP 1-2 Electronic course material (Hungarian): <ftp://szentagothai.ttk.pte.hu/pub/sap-abap/> <ftp://szentagothai.ttk.pte.hu/pub/pauler/SAP-ABAP2/> | | | | | |
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| 18. Recommended texts, further readings   1. SAP ABAP Reference Manual [www.sap.com](http://www.sap.com) | | | | | |
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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 | | |