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| **1. Course title:** Operation of IT systems | | | | |
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| **2. Code:** | | **3. Type (lecture, practice etc.):** lecture+seminar | | |
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| **4. Contact hours:** 3 hoursper week | | **5. Number of credits (ECTS):** 3 | | |
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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:** 150 | | | | |
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| **10. Responsible teacher (faculty, institute and department):**  Zoltán Horváth (Faculty of Science, Institute of Mathematics and Informatics, Department of Informatics) | | | | |
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| 11. Teacher(s) and percentage: | | Horváth Zoltán | | 50% |
| Géza Makkai | | 50% |
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| **12. Language:** English | | | | |
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| 13. Course objectives and/or learning outcomes:  Objectives:  To make this topic more manageable, boundaries will be defined. First, because of the vast number of activities relating to management information systems, a total review is not possible. Those discussed here is only a partial sampling of activities, reflecting the author's viewpoint of the more common and interesting developments. Likewise where there were multiple effects in a similar area of development, only selected ones will be used to illustrate concepts.  Learning outcomes:  Upon successful completion of this module, candidates will be able to demonstrate their competence  in, and their ability to:   Understand types of MIS applications in organisations   Discuss the development of management information systems in organisations.   Select and design MIS systems appropriate to meet management requirements.   Critically evaluate MIS contributions to the strategic management of organisations | | | | |
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| 14. Course outline   1. Introduction - and - Telecommunications Management Network, TMN Entity-relation modeling. Seminar: Building entity-relation models. 2. IP Overview, Networks. 3. Servers, desktops. 4. Storages, Storage Networks, Virtualisation 5. Back-up and Restore. 6. Data Centers 7. IT services - 1 8. IT services – 2 9. IT services - 3. 10. Further exercises 11. Further exercises 12. Further exercises | | | | |
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| **15. Mid-semester works**  Seminars end with tasks to be finished as a homework. Besides, each student is given a more complex task on the 9th week, which has to be submitted along with the documentation of the solution. | | | | |
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| **16. Course requirements and grading**  A mark is given for sumbitted more complex tasks. The solution has to be presented at the final oral exam, where a theoretical topic has to be presented, too. A mark is given for both. The final mark is the mean of the three marks. The homework can be amended once. | | | | |
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| 17. List of readings   1. A. Silberschatz, H. Korth, S. Sudarshan: Database System Concepts, McGraw-Hill Education; 6 edition (2010) | | | | |
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| 18. Recommended texts, further readings   1. MySQL online oktatóanyagok (pl. https://www.tutorialspoint.com/mysql/ , 2017.) 2. PostgreSQL online oktatóanyagok (pl. https://www.tutorialspoint.com/postgresql/, 2017) | | | | |
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| **Date** | 13 April, 2017 | **Prepared by** |  | |
| Dr. Mátyás KONIORCZYK  responsible teacher | |
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| **Endorsed by** | | |  | |
| XXX program supervisor | |