

Óbuda University Keleti Faculty of Business and Management										
GVMMRIAMND		Management Information Systems								
Department:		Institute of Economics and Social Sciences 1084 Budapest, Tavaszmező u. 17.					ECTS:		3	
Training		Full-time			Language:		English		Semester	2019/20/1
Training Programme		Technical Management BSc								
Responsible professor for course		Dr. habil. Velencei Jolán			Professor:		Dr. habil. Tick Andrea			
Required preliminary										
Number of classes (week/semester):		Weekly	Lecture:	1	Practice:	0	Laboratory:	1	Consultation:	0
Obtaining grade:		Substitution (make up test) during the first 10 weekdays of the exam period								
Requirements for signature:										
Assessment:		<p>Requirements for the signature: The attendance on the seminar is obligatory. Maximum 2 absences are allowed. Being absent more than 2 times, students will be removed from the register. Students take a test on the 12th educational week. Evaluation of the end term mark: The end-term mark is equal with the mark of the successful test or retake</p> <p>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</p>								
Goal of the subject:		<p>The course is an introduction to Management Information Systems. During the course students get an insight into the role of management in designing, developing and using information systems at companies. Furthermore the students may be able to use a kind of MIS software.</p> <p>At the end of the course students will be able to</p> <ul style="list-style-type: none"> • define what a Management Information System is, • characterize Information Systems, • explain the role, functions and architecture of a Management Information System, • list different kind of Management Information Systems, • build decision making tools for middle management applying dashboards and business intelligence. 								
Requirements during the semester:		<p>Preconditions of signature are the attendance at the seminars, valid test and submitted home assignment.</p> <p>Students are required to have a valid test. No turn up on the scheduled test is considered an invalid test and the student is not entitled to have a re-sit. In the test students are entitled to use handwritten notes on one A4-sized paper. No photocopies, photos or notebooks can be used.</p> <p>No cellphones, smartphones or any other smart device capable of taking pictures can be brought into the room during test writing.</p> <p>Should the student use any unauthorized help during test writing, his/her mark is "NO SIGNATURE" regardless of his/her results achieved so far.</p> <p>Absence from test writing due to illness or other official occupancy can be certified once. Should this be the case, the student is entitled to have a make-up test.</p> <p>Students must submit the assignment announced during the course. Students will be assessed on the test written in the test week and the assignment submitted.</p> <p>Grade in this course is based on total points/percentages of the test, and student's activity, creativity and preparation (i.e. the instructor also values the active/inactive participation in classes or the level of the homework).</p> <p>Each element will be assessed on a scale of 1 to 100% where the assessment bands are the following:</p> <p>Percentage (%) Assessment 0 - <50 fail 51 - <62 pass 63 - <74 fair/satisfactory 75 - <85 good 86 - 100 excellent/distinction</p> <p>Aspects of the final grade are the following: - business dashboard, making and presentation of business report - written exam - participation and attendance during the course (regarding the TVSZ (Study Rules and Regulations))</p>								
Week		Topics (lecture)								
1.		Introduction to Management Information Systems, MIS structure, functions, economical aspects. Configuration, default, interfaces.								
2.		Manager-friendly informatics, Expert systems, System and database administration, authentication, authorization (login)								
3.		Introduction to Dashboard systems								
4.		Business reports and KPI								
5.		OLAP and OLTP Systems, multidimensional models, Data feeds (support and stages)								
6.		Basic Database actions and operations								
7.		Deep and expert knowledge, data mining, advanced database operation								
8.		Dashboard and data visualization (basic mashapps)								
9.		Dashboard and data visualization (complex mashapps)								
10.		Big Data's world, interactive reports								
11.		Reports sharing, communication in and out of the corporate								
12.		Data analysis, data filters								
13.		Students' presentations: Reports made by the students. Written Exam								
14.		Students' presentations: Reports made by the students. Written Exam (Make up test).								

	Required literature
1	KC Laudon, JP Laudon, Management Information Systems, Managing the Digital Firm, Global Edition, 13/E, Pearson, 2014
2	http://www.bi-dw.info/excel/tutorials.htm
3	http://www.microsoftvirtualacademy.com/training-courses/excel-2013-power-bi-fundamentals
4	https://support.office.microsoft.com/en-us/article/Tutorial-Import-Data-into-Excel-2013-and-Create-a-Data-Model-4b4e5ab4-60ee-465e-8195-09ebba060bf0?CorrelationId=cb85a656-b5ee-4c0b-aa24-fb938b068038&ui=en-US&rs=en-US&ad=US
	Recommended literature
1	
2	
3	
4	
Quality assurance method:	
	Developed competencies