MANAGEMENT INFORMATION SYSTEMS (MIS) (37C00100, 6 ECTS)

SYLLABUS

Version 2 (10.02.2019)

Instructor's contact information	Course information
Johanna Bragge, PhD, Senior University Lecturer johanna.bragge@aalto.fi BIZ main building Otaniemi, V217 Office Hours on agreement via email http://people.aalto.fi/johanna_bragge	BSc level core course in Business Technology 2019, Period IV U8/U270 Lecture Hall at Otakaari 1, Otaniemi Language of Instruction: English https://mycourses.aalto.fi/course/view.php?id=20058 Teaching Assistants: Maryam Roshan and Yanqing Lin (firstname.surname@aalto.fi)

1. OVERVIEW

Information technology and data have changed how businesses operate and succeed in today's global economy. Organizations can now use IT and data to transform themselves and achieve a tremendous competitive advantage. On the other hand, those organizations that are not mastering these assets might not exist in the near future. This course highlights how new technologies and data are changing the current business environment and what effect it has on today's students. The course addresses the major principles of Management Information Systems (MIS) in order to prepare managers to understand the strategic role of information technology and data in the digital economy. This course aims to give students what they need to succeed in the current digital economy. Contents of the course:

1. Information Systems and the Role of General and Functional Managers

2: Information Systems Defined

3: Organizational Information Systems and Their Impact

4: The Changing Competitive Environment

5: Electronic Commerce: New Ways of Doing Business

6: Strategic Information Systems Planning

7: Value Creation and Strategic Information Systems

8: Value Creation with Information Systems

9: Appropriating IT-Enabled Value Over Time

10: Funding and Governance of Information Systems

11: Creating Information Systems

12: Information Systems Trends

13: Security, Privacy, and Ethics

2. PREREQUISITES

No prerequisites.

3. LEARNING OUTCOMES

The course addresses the major principles of Management Information Systems (MIS) in order to prepare managers to understand the role of information technology and data in the digital economy. This course aims to give students the starters what they need to succeed in the current digital economy.

4. ASSESSMENT, GRADING AND EXAM FEEDBACK

1. Lectures 24 h
2. Assignments integrated to the lectures (40% of the grade)
3. Exam (60% of the grade). Feedback from the exam will be given via MyCourses news (generally) and via personal appointments to be agreed as needed.

5. LECTURE SCHEDULE (NOTE: Small changes are still possible**)**

#	Date	Topic	Assignment Due Dates
1	**26.2.**	Introduction to the MIS course and Chapters 1-2 / Bragge	**28.2.2019**
2	**28.2.**	Collaborative IS and knowledge work / Bragge and Lecturer Antti Salovaara, PhD, Aalto SCI/Computer Science	Other due
3	**5.3.**	Gamification at work / CEO Jukka Koskenkanto, Happit / Cloudriven	dates to be
4	**7.3**	Service Design: Process and Methods / CEO Teemu Uotila and Experience Designer Jan Nikander, Vincit	announced (1-2 weekly)
5	**12.3.**	Experiences of digital transformation in large companies and the growing impact of data in businesses / Board Professional and Angel Investor Elina Piispanen, Telko, SitoWise & Viria	
6	**14.3.**	Organizational change in the digitalization era – how to bring myth to life? / Consultants Milja Nohynek & Karoliina Kettukari, Digital Illustrated	
7	**19.3.**	ERP and business applications / CTO Glen Koskela, Retail & Hospitality EMEIA, Fujitsu	
8	**21.3.**	Business Performance Management in eCommerce / Chief Digital Officer Kari Härkönen, Marimekko	
9	**26.3.**	Enterprise blockchain / CEO Petri Aukia, Codento, http://twitter.com/aukia	
10	**28.3.**	Big data, Artificial Intelligence and Ethical AI / Analytics Architect Jukka Ruponen, IBM Finland	
11	**2.4.**	Text mining and visualization; hints for the exam / Johanna Bragge	
12	**4.4.**	IT Security and Privacy / Mikko Karikytö, Head of Ericsson Network Security and Dario Casella, Head of Privacy, Ericsson Finland	
	10.4.	EXAM at 9-12	
	31.5.	RETAKE EXAMS 31.5.2019 and one in Fall 2019	

6. ASSIGNMENTS

The assignments are done independently between the lecture sessions. Some assignments may be done in small groups of 2-3 students (this exception is mentioned separately in the assignment instructions). The assignments consist of a variety of tasks: article reviews, internet studies, small online courses, coding exercise with codecademy.com, data visualization tasks, research profiling study using library's literature databases, electronic brainstorming etc.

7. COURSE BOOK

Piccoli, Gabriele and Pigni, Federico (2017) INFORMATION SYSTEMS FOR MANAGERS without Cases, Edition 3.1, ISBN: 978-1-943153-07-7 (paperback), 978-1-943153-06-0 (eTextbook) https://prospectpressvt.com/titles/piccoli-information-systems-for-managers/#older
Paperback: Availability in library.

8. COURSE WORKLOAD

Classroom hours	24h
Class preparation	36h
Assignments	64h
Preparing for exams and exam	36h
Total	160h (6 op)

9. ETHICAL RULES

Aalto University Code of Academic Integrity and Handling Violations Thereof
See https://into.aalto.fi/display/ensaannot/Aalto+University+Code+of+Academic+Integrity+and+Handling+Violations+Thereof

10. OTHER ISSUES

- Registration to course and to exams: Via WebOodi
- Course policies: Due to the large amount of students and assignments in the course, the assignment deadlines are strict. TurnitIn plagiarism software will be used for text-based assignments.