SUBJECT DATASHEET

INFOCOMMUNICATION TECHNOLOGIES IN FINANCE.

BMEGT35A117

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
INFOCOMMUNICATION TECHNOLOGIES IN FINANCE.

ID (subject code) BMEGT35A117

Type of subject
Contact lessons

Course types and lessons

Type	*Lessons*
Lecture	4
Practice	0
Laboratory	0

Type of assessment
exam grade

Number of credits
5

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Böcskei Elvira	associate professor	bocskei.elvira@gtk.bme.hu

Educational organisational unit for the subject
Department of Finance

Subject website
https://edu.gtk.bme.hu

Language of the subject
magyar - HU

Curricular role of the subject, recommended number of terms
Programme: **Finance and Accounting Bachelor's Programme from 2019/20/Term 1**
Subject Role: **Compulsory for the specialisation**
Recommended semester: **4**

Direct prerequisites

Strong	None
Weak	None
Parallel	None
Exclusion	None

Validity of the Subject Description
Approved by the Faculty Board of Faculty of Economic and Social Sciences, Decree No: 581083/2/2020 (Agenta 13). Valid from November 25, 2020

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The subject introduces students to the practical foundations of information management. Within this, the aim is to be aware of the typical IT tasks to be performed in organizations (mainly medium and large companies and institutions), to understand the tasks and process of the development and operation of IT systems. Be able to evaluate the effectiveness of an IT investment, form a bridge between IT professionals and business areas as a manager, and be familiar with and successfully apply effective, web-based IT solutions.

Academic results

Knowledge

1. Knows the IT language, concepts and vocabulary used in companies and institutions.
2. Knows the tasks of IT process management.
3. Knows the methodology of IT developments.
4. Knows the types of IT systems, such as. ERP, CRM, business and artificial intelligence systems.
5. Knows IT trends, latest technological trends.

Skills

1. able to integrate effectively into the work of an IT organization or business IT projects.
2. able to understand at a high level the entire IT operation of the organization, even if he/she has a direct view of only a narrow slice.
3. able to understand the business and IT objectives of IT systems.
4. able to get involved in the development of IT systems from both the business and IT side and to monitor the development project intelligently.
5. able to identify risks in IT operations.
6. able to review IT finances, understand cost categories.
7. able to identify IT opportunities that can be used to effectively improve business processes.

Attitude

1. participate proactively in the lectures, answers questions from (guest) instructors, and asks questions that help to understand the topic.
2. collaborate with the instructor and fellow students to expand knowledge.
3. will continuously expand your knowledge by reading the recommended internet portals.
4. open to the use of information technology tools.

Independence and responsibility

1. are preparing for the examinations in private.
2. follow the curriculum, the published slides, the teaching aid from hour to hour.
3. perform an independent project task as part of a presentation competition (optional).

Teaching methodology

Lectures, and written communication, use of ICT tools and techniques, home assignment. Students will submit assignments, including quizzes, throughout the semester based on the course content presented in that assignment. Students will complete hands-on, application exams using accounting forms.

Materials supporting learning

- A kötelező tananyag (jegyzet és diasorok) a tárgy honlapjáról (modle rendszerben) lesz letölthető
- Textbooks, notes, downloadable materials.
- The compulsory curriculum (notes and slides) will be available for download from the subject's website (in Moodle system).

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

The 2.2. assessment of the learning outcomes is the following: Attendance at classes is recommended because there is a lot of background
knowledge that is not found in the handouts published to complete the Midterm Exams and tasks. They can collect extra points for active
participa-tion in classes. The assessment of the course is done in a scoring system. 50% is available during a semester and 50% in the written exam.

Performance assessment methods

A. Detailed description of assessments during a semester Performance evaluation of midterm exams: a complex, written way of evaluation
the knowledge and ability type competence elements of the subject in the form of a midterm exams, twice during the semester. An-swer
50 multiple-choice questions in 50 minutes. Appointments: Midterm Exam 1: (date) (from the curriculum of the first three weeks): max.
25 points Midterm Exam 2: (date) (from the curriculum of the fifth-seventh weeks): max. 25 points 2. Partial performance evaluation (individual studies and team-work): a complex way of evaluating the knowledge, ability, attitude, as well as independence and responsibility
type competence elements of the subject, the form of which is the homework prepared individually or in groups, the content of the home-work,
requirements, the deadline for submission and the method of evaluation are determined by the seminar lecturer. Up to 25 points can be obtained with the following individual / group studies (up to several types, but up to 25) - max. 25 points can be obtained with a presentation (in a team per individual) - max 15 points with a performance - 4-4 points (max. 12) are awarded to those who take part in the guest lecturer's class - additional points can be earned with outstanding class activity (correct answers to lecturer's questions) Presentation rules: They can give a presentation in teams of 3 or 4 people. A student can only participate in the work of one team. The length of the presentation is max. 10 minutes, in which one of the topics discussed during the semester is selected, for which an IT problem is processed as a case study using the learned information management methods. Presentations should be given. Teams
wishing to present must indicate their intention by e-mail in the last week of March, naming the team members and the chosen topic group. One copy per team must be sent by e-mail no later than the first week of May. Depending on the number of participants in the course and the duration of the presentation, a maximum of 8 teams can choose the presentation, therefore the application will be accepted
according to the sched-ule. The application will be considered accepted if you receive a confirmation e-mail. The members of the two teams with the highest performance will automatically receive a distinguished (5) grade, regardless of the ZH results achieved. Members
of the third place team will receive 5 extra points in addition to the score they received for the presentation. A 4-8. placed will receive a score, expected to be between 10 and 20 points, depending on performance. (We have omitted the individual / group 25-point ceiling for the participants in the presentation competition, so they will get as many extra points as they have achieved in total.) B. Detailed
description of assessments during examination period Elements of the exam: 1. written performance assessment: written test from the full semester curriculum 2. crediting of mid-year results (score). Offered grades: those who scored at least 67 points with their mid-year performance, those who scored at least 60 points can request an offered grade. Those who were in the first two placed teams in the presentation competition will also receive a given grade.

Percentage of performance assessments, conducted during the study period, within the rating

- **Level 1 evaluation (midterm exam)**: 1/3, max. 12 pont/points
- **Level 2 evaluation (midterm exam)**: 1/3, max. 12 pont/points
- **performance evaluation (individual studies and team work)**: 1/3, max. 12 pont/points
- **total**: 100%, max. 62 pont/points

Percentage of exam elements within the rating

- **written exam**: 75
- **score of semester**: 62
- **total**: 137

Conditions for obtaining a signature, validity of the signature

The condition for obtaining the signature is that the 3.3. the student must achieve at least 50% of the score according to point 62, i.e. 31 points. There is no minimum requirement per midterm exam. The condition for writing the Exam is to obtain a signature. The obtained signature is valid for the period according to the Study and Examination Regulations.

Issuing grades

Excellent	96
Very good	91-95
Good	81–90

Satisfactory	66–80
Pass	50–65
Fail	0-49

Retake and late completion

1. Up to one of the two Midterm Exams (optional) may be replaced or repaired without any certification during the replacement week. The better score matters. Date of Retake Midterm Exam (date) 2. Individual and group studies, due to their nature, cannot be replaced, improved or otherwise replaced. 3. In case of a failed exam, if the student does not achieve the total of 69 points, he / she can improve the exam test according to the relevant rules of the Study and Examination Regulations.

Coursework required for the completion of the subject

Participation in contact lessons	9×4 = 36
Mid-term preparation for lessons, independent acquisition of written materials	9×4=36
Preparation for performance evaluations	2×8+2×2=20
Individual work / team-work	0-40 (átlag 20)
Preparing for the exam	38
total	150

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by Dr. Lógó Emma, Vice Dean for Edu-cation. Valid from Februaray 1, 2021

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

Subject includes the topics detailed in the course syllabus to ensure learning outcomes listed under 2.2. can be achieved. Timing of the topics may be affected by calendar or other circumstances in each semester. Each week, the topic of the first two lessons is typically theoretical, and the second two lessons present practical cases and examples. The order of each presentation may vary depending
on the contact details of the guest lecturers.

1 IT systems design
2 IT systems development methods.
3 Midterm Exam
4 Operation of IT systems.
5 Demand and portfolio management.
6 IT security
7 Midterm Exam
8 IT roles and tasks
9 IT controlling.
10 IT strategy and management
11 Presentations
12 Pre-exam
13 Retake / Improvement
14 Pótlás / Javítás

Additional lecturers

Dr. Böcskei Elvira course leader	bocskei.elvira@gtk.bme.hu
Dr. Danyi Pál	danyi@mvt.bme.hu

Approval and validity of subject requirements

Part I-III of the Subject Form is to be approved by the Head of Department of Finance named under 1.8.