

UNIVERSITY OF ECONOMICS - VARNA
MASTER DEGREE STUDIES CENTER
DEPARTMENT „INFORMATICS“

ACCEPTED BY:

Rector:

(Prof. Dr. Plamen Iliev)

SYLLABUS

SUBJECT: “E-FINANCE”;

DEGREE PROGRAMME: “Computer Science”; MASTER`S DEGREE

YEAR OF STUDY: 5 ; SEMESTER: 9 (same field graduates);

YEAR OF STUDY: 6 ; SEMESTER: 10 (other fields graduates);

TOTAL STUDENT WORKLOAD: 240 h.; incl. curricular 75 h.

CREDITS: 8

DISTRIBUTION OF WORKLOAD ACCORDING TO THE CURRICULUM

<i>TYPE OF STUDY HOURS</i>	WORKLOAD, h.	TEACHING HOURS PER WEEK, h
CURRICULAR: incl. <ul style="list-style-type: none">• LECTURES• SEMINARS (lab. exercises)	45 30	3 2
EXTRACURRICULAR	165	-

Prepared by:

1.
(Assoc. Prof. Dr. Silvia Parusheva)

2.
(Assist. Prof. Radka Nacheva)

Head of department:
“Informatics” (Prof. Dr. Vladimir Sulov)

I. ANNOTATION

E-Finance is one of the main directions in the field of e-business that is fundamental to modern business processes of the companies, and end users. The course “E-Finance is closely linked with the application of modern information and communication technologies in the financial area. The advantages of Internet-based technologies significantly change the nature and structure of the financial services and allow both traditional and new providers to offer users an effective way of working with them.

The course „E-Finance“ aims to provide knowledge about the theoretical and practical aspects of electronic financial services throughout their range covering online trading with securities and currencies, electronic banking and in particular Internet banking, online insurance, security and protection of Internet banking, electronic payment systems.

During the seminars students use software products implemented by Bulgarian and foreign financial institutions. Students have to prepare an assignment in chosen hot topic within the range of topics.

As a result of the education students are expected to be able in the future to put into practice the knowledge and skills in the field of electronic financial services. In case of professional development related to the application of IT in the financial sector to develop their qualifications and practical skills.

II. THEMATIC CONTENT

No. by row	TITLE OF UNIT AND SUBTOPICS	NUMBER OF HOURS		
		L	S	L.E.
		4		
1. New information technologies in finance		4		
1.1	Definition, scope and objectives of E-Finance			
1.2	Benefits and problematic aspects of e-finance			
1.3	Changes and new trends in financial services			
2. Online trading		6		6
2.1	Participants and functions of online trading			
2.2	Advantages of online brokerage			
2.3	Development and state of e-brokering			
3. Electronic banking		4		4
3.1	The essence of electronic banking			
3.2	Types of electronic banking and chronology in its offering			
4. Internet banking		10		6
4.1	Technology and organization of Internet banking			
4.2	Types of systems for Internet banking			
4.3	Advantages of Internet banking			
5. Security and protection of Internet banking		10		6
5.1	Potential threats for Internet banking users			
5.2	Methods for protection and authentication of users			
6. Online insurance		6		4
6.1	Nature and purpose of online insurance			
6.2	Peculiarities of insurance business that complicate online insurance			
6.3	E-business models for Internet distribution of insurance products			
7. Electronic payment systems		5		4
7.1	Essence of electronic payment systems			
7.2	Types of electronic payment systems and related payment instruments			
7.3	Mobile payments			
Total:		45		30

III. FORMS OF CONTROL:

No. by row	TYPE AND FORM OF CONTROL	№	extra-curricular, h.
1.	Midterm control		
1.1.	Development of assignment on a predefined topic	1	60
1.2.	Special case assignment	2	40
Total midterm control:		2	100
2.	Final term control		
2.1.	Test	1	65
2.2.			
Total final term control:		1	65
Total for all types of control:		3	165

IV. LITERATURE

REQUIRED (BASIC) LITERATURE:

1. Parusheva, S. et. al. Electronic Business 2nd Part. Software Development Management. Publishing house „Science and Economics” University of Economics – Varna, 2015, ISBN 978-954-21-0837-5.

RECOMMENDED (ADDITIONAL) LITERATURE:

1. Joshi, V. C. „E-finance - the future is here”. 2. ed., Los Angeles, Calif., 2010.
2. Hakman, W., Electronic Financial Services: Technology and Management. Oxford, Chandos Publishing Ltd, 2006.
3. Bodendorf, Fr., S. Bissantz „E-Finance”. Oldenbourg, Muenchen, 2003.
4. Banks, E. „E-Finance: The Electronic Revolution”, John Wiley and Sons Ltd, 2001.