UNIVERSITY OF ECONOMICS – VARNA

FACULTY OF INFORMATICS

DEPARTMENT OF INFORMATICS

Adopted by the FC (record № 9/24.04.2024)
Adopted by the DC (record № 10/16.04.2024)

ACCEPTED BY:
Dean:
(Prof. Vladimir Sulov, PhD)

SYLLABUS

SUBJECT: GRADUATE SEMINAR

DEGREE PROGRAMME: Computer Science; MASTER`S DEGREE

YEAR OF STUDY: 6 for other field graduates; SEMESTER: 11 for other field graduates

TOTAL STUDENT WORKLOAD: 180 hours; incl. curricular 30 hours

CREDITS: 6

DISTRIBUTION OF STUDENT WORKLOAD ACCORDING TO THE CURRICULUM

TYPE OF STUDY HOURS	**WORKLOAD, hours**	**TEACHING HOURS PER WEEK, hours**
CURRICULAR: incl. • LECTURES • SEMINARS / LAB. EXERCISES	 15 15	 1 1
EXTRACURRICULAR	150	-

Prepared by:

1. **……..**
   (Prof. Vladimir Sulov, PhD)
2. **……**
   (Chief assist. prof. Olga Marinova, PhD)

Head of department
of Informatics: ……
(Prof. Julian Vasilev, PhD)

I. ANNOTATION

The "Graduate Seminar" course offers students methodical knowledge for carrying out scientific research in the field of computer science. Students' abilities for independent research, problem resolution and results' presentation are developed.

The course has two main areas of topics. The first one emphasizes computer science and general research. The second one addresses the specific requirements in the course of preparing, formatting, and defending one's graduate diploma thesis. During the course the students prepare a short scientific essay based on their future thesis.

The acquired knowledge and skills will allow graduates in their future work in different spheres of business and society and with their potential scientific work.

During the training, the following key competences are applied and developed, in accordance with the Recommendation of the Council of the European Union of 22 May 2018, namely:

- *Language competence - Group 1. The abilities of oral and written expression, communication, understanding are developed.*
- *Digital - Group 4. Ability to analyze, create and present digital content.*

II. THEMATIC CONTENT

№	TITLE OF UNIT AND SUBTOPICS	NUMBER OF HOURS		
		L	S	L.E.
Theme 1. Scientific research		**3**	**1**	
1.1	Types of scientific research	1	-	
1.2	Carrying out and main stages	2	1	
Theme 2. Literature and information resources		**2**	**2**	
2.1	Online scientific databases and libraries	1	1	
2.2	Scientific software	1	1	
Theme 3. Scientific publications		**4**	**8**	
3.1	Preparation	2	-	
3.2	Formatting	1	2	
3.2	Bibliography and referencing	1	2	
3.3	Presentation	-	4	
Theme 4. The diploma thesis		**6**	**4**	
4.1	Content and structure requirements	2	1	
4.2	Formatting requirements	1	1	
4.3	Procedures and rules	2	1	
4.4	Writing an abstract	1	1	
	Total:	**15**	**15**	

III. FORMS OF CONTROL:

№	TYPE AND FORM OF CONTROL	Number	extracur-ricular, hours
1.	**Midterm control**		
1.1.	Case study	1	25
1.2.	Presentation	1	35
1.3.	Scientific Review	1	20
	Total midterm control:	**3**	**80**
2.	**Final term control**		
2.1.	Examination (essay)	1	70
	Total final term control:	**1**	**70**
	Total for all types of control:	**4**	**150**

IV. LITERATURE

REQUIRED (BASIC) LITERATURE:

1. Online lectures in the university's online e-learning system.

RECOMMENDED (ADDITIONAL) LITERATURE:

1. Eco, U. How to Write a Thesis. MIT Press, 2015.
2. Greetham, B. How to Write Your Undergraduate Dissertation. Palgrave Macmillan, 2014.
3. Weyers, J., K. McMillan. How to Write Dissertations & Project Reports. Prentice Hall, 2011.