



*European
Polytechnical
University*

23 Sv. Sv. Kiril and Metodiy Str.
2300 Pernik, Bulgaria
Tel. 00359 898751012

Endorsed:

Rector of EPU: Prof. Marin Marinov, PhD

Educational Degree

«MASTER»

Form of Training: *Full-time*

Term of Training: *1,5 Academic Years (3 Semesters)*

Professional Direction

4.6. COMPUTER SCIENCES

ACADEMIC CURRICULUM

PROGRAM:

«INFORMATION SECURITY»

2020

www.epu.bg

Secretariat e-mail: office@epu.bg - President e-mail: president@epu.bg

I. TIME SCHEDULE

Year	Auditoria Workload	Examinations	Practical Training	Industrial/Field Placement	Practice	Work on Diploma Thesis	Vacations	Total (Number of Weeks)
I	540	5	-	-	-	-	11	52
II	225	3	-	-	-	5	5	25

II. CURRICULUM

ECTS Code: (IS)TNo

- **IS**– “Information Security“
- **T** – type of degree: **B** – „Bachelor“, **M** – „Master“;
- **No** - serial number of the course;

Lectures (L), Seminar exercises (SE), Laboratory Exercises (LE), Practical Training/Fieldwork (PT), Auditoria Workload (total) (AT), Self-Study (SS) per week

Exam (E), Continuous Assessment (CA); Project Work (PW), Course Work (CW)/Course Tasks (CT)

SEMESTER I

№	COURSE	Weekly Workload							Assessment				Code	ECTS
		L	SE	LE	PT	AW	SS	Total	E	CA	PW	CT		
1	Computer Security	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM101	5
2	Network and Internet Security	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM102	5
3	Information Technologies	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM103	5
4	Physical Security	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM104	5
5	Security Management Practices	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM105	5
6	Psychology of Computer crimes	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM106	5
Total		12	6	0	-	18	33	51	6	0	0	0		30

SEMESTER II

№	COURSE	Weekly Workload							Assessment				Code	ECTS
		L	SE	LE	PT	AW	SS	Total	E	CA	PW	CT		
7	Access Control Systems	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM207	5
8	Cryptography	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM208	5
9	Operations Security	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM209	5
10	Business Continuity Planning	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM210	5
11	Integration of Information	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM211	5
12	Computer Virology	2	1	0	-	3	5,5	8,5	1	0	0	0	ISM212	5
Total		12	6	0	-	18	33	51	6	0	0	0		30

SEMESTER III

No	COURSE	Weekly Workload							Assessment				Code	ECTS
		L	SE	LE	PT	AW	SS	Total	E	CA	PW	CT		
13	Architectures for Security	3	1,5	0	-	4,5	5	9	1	0	0	0	ISM313	4
14	Computer Configurations for Increasing Security	3	1,5	0	-	4,5	5	9	1	0	0	0	ISM314	4
15	Virtual Currencies	3	1,5	0	-	4,5	5	9	1	0	0	0	ISM315	4
16	Cyber Sustainability	3	1,5	0	-	4,5	5	9	1	0	0	0	ISM316	4
17	Law, Investigation, and Ethics	3	1,5	0	-	4,5	5	9	1	0	0	0	ISM317	4
18	Diploma Thesis	0	0	0	-	0	50	50	0	0	1	0	ISM318	10
Total		15	7,5	0	-	22,5	75	95	5	0	1	0		30

Notes:

- Seminar exercises are held 2 hours a week, and next week 1 hour.
- Semester III includes some courses in a shorten term /10 weeks/, and Diploma Thesis development.

III. BASIC PARAMETERS OF THE CURRICULUM

Semester	Weekly Workload							Semester Workload				Assessment			
	L	SE	LE	PT	AW	SS	Total	L	SE	LE	PT	E	CA	PW	CT
I	12	6	-	-	18	33	51	180	90	-	-	6	0	0	0
II	12	6	-	-	18	33	51	180	90	-	-	6	0	0	0
III	15	7,5	-	-	22,5	75	95	150	75	-	-	5	0	0	0
Общо	39	19,5	-	-	58,5	141	197	510	255	-	-	17	0	0	0

1. Term of study – **1,5** years, **3** semester
2. Auditoria Workload
 - 2.1 Total – **765** hours
 - 2.2 (L) Lectures – **510** hours
 - 2.3 (SE) Seminar Exercises – **255** hours
3. Total number of courses – **17**
 - 3.1 Diploma Thesis - **1**
4. Assessment
 - 4.1 (E) Exams – **17**

Head of the Program.....



/ Prof. Lyudmil Dakovski, DSc/