

**UNIVERSITY OF PLOVDIV PAISII HILENDARSKI**  
**FACULTY OF MATHEMATICS AND INFORMATICS**

**CURRICULUM**

Academic year 2003/2004

Professional Area: **MATHEMATICS (6.1)**

Speciality: **MATHEMATICS (6.1.1)**

Education-and-Qualification Degree: **BACHELOR**

Professional Qualification: **COMPUTER SCIENCE**

Form of Studies: **full-time**

Duration of Studies: **4 years**

<b>SUBJECT</b>	<b>Lectures</b>	<b>Exercises</b>	<b>Form of Exam.</b>	<b>ECTS credits</b>
<b>FIRST ACADEMIC YEAR</b>	<b>22</b>	<b>46</b>		<b>60</b>
<b>A Trimester</b>				
Linear Algebra and Analytical Geometry	4	4	E	8
Foundations of Computer Science	3	3	E	6
English	0	6	–	4
Sport	0	3	–	1
<b>B Trimester</b>				
Mathematical Analysis 1	4	4	E	8
Programming	3	3	E	6
English	0	6	C	5
Sport	0	3	-	1
<b>C Trimester</b>				
Mathematical Analysis 2	4	4	E	8
Object-Oriented Programming	4	4	E	8
Course Project	0	4	C	4
Sport	0	2	-	1
<b>SECOND ACADEMIC YEAR</b>	<b>35</b>	<b>33</b>		<b>65</b>
<b>A Trimester</b>				
Algebraic Structures	3	3	E	6
Differential Equations	2	2	C	4
Computer Architectures	3	2	E	5
Information Technologies	3	3	E	6
Sport	0	2	-	1
<b>B Trimester</b>				
Geometry	3	3	E	6
Probability Theory and Applied Statistics	3	3	E	6
Algorithms and data Structures	3	3	E	6
Free Choice Subject	3	0	C	3
Sport	0	2	–	1
<b>C Trimester</b>				
Programming Languages	3	2	E	5
Discrete Mathematics	3	3	E	6
Operating Systems	3	3	E	6
Free Choice Subject	3	0	C	3

Sport	0	2	–	1
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SUBJECT	Lectures	Seminars	Form of Exam.	ECTS credits
<b>THIRD ACADEMIC YEAR</b>	<b>30</b>	<b>34</b>		<b>61</b>
<b>A Trimester</b>				
Computer Graphics	3	2	E	5
Artificial Intelligence	3	3	E	6
General Choice Subject	3	2	E	5
Course Project	0	4	C	4
Sport	0	2	-	1
<b>B Trimester</b>				
Computer Numerical Analysis	3	3	E	6
Data Bases	3	3	E	6
General Choice Subject	3	2	E	5
Free Choice Subject	3	0	C	3
Sport	0	2	-	1
<b>C Trimester</b>				
Software Technologies	3	3	E	6
General Choice Subject	3	2	E	5
Free Choice Subject	3	0	C	3
Course Project	0	4	C	4
Sport	0	2	-	1
<b>FOURTH ACADEMIC YEAR</b>	<b>24</b>	<b>22</b>		<b>61</b>
<b>A Trimester</b>				
Computational Linguistics	3	2	E	5
General Choice Subject	3	2	E	5
Free Choice Subject	3	0	C	3
Course Project	0	4	C	4
Sport	0	2	-	1
<b>B Trimester</b>				
Informational Modeling	3	2	E	5
General Choice Subject	3	2	E	5
Free Choice Subject	3	0	C	3
Course Project	0	4	C	4
Sport	0	2	-	1
<b>C Trimester</b>				
General Choice Subject	3	2	E	5
Free Choice Subject	3	0	C	3
Preparation for the State Examination or of the Thesis Paper	0	0	–	17
<b>TOTAL:</b>				<b>247</b>

**NOTES:**

- Each academic year, consisting of 30 weeks, is divided into three 10-week trimesters: A, B, and C (Fall, Winter, and Summer).
- Examination weeks follow each of the trimesters.

- At the beginning of each trimester, about 12 elective courses are offered in compliance with the students' needs.
- Grading Scale, c.f. table below

<b>ECTS Grade</b>	<b>Local Grade</b>	<b>Definition</b>
<b>A</b>	<b>6</b>	EXCELLENT
<b>B</b>	<b>5</b>	VERY GOOD
<b>C</b>	<b>4</b>	GOOD
<b>D</b>	<b>3.5</b>	SATISFACTORY
<b>E</b>	<b>3</b>	SUFFICIENT
<b>F</b>	<b>2</b>	FAIL