

**STUDY PROGRAM FOR THE SECOND CYCLE OF SPECIALIST  
STUDIES AT THE FACULTY OF EDUCATIONAL SCIENCES – PRESCHOOL  
EDUCATION (MODEL 3+1)**

<b>I SEMESTER - FIRST YEAR</b>				
CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
	Compulsory course from the elected module	6	2+2+1	156
	Elective course 1 (from the elected module)	4	2+1+1	120
	Elective course 2 (from the elected module)	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

<b>II SEMESTER - FIRST YEAR</b>				
CODE	COURSE	Credits	Hours	Overall workload
4FO203512	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

**MODULES:**

**MODULE: EDUCATIONAL WORK IN CULTURE OF SPEECH**

<b>I SEMESTER - FIRST YEAR</b>				
CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
4FO203612	Selected topics from Macedonian language and literature	6	2+2+1	156
	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

**II SEMESTER - first year, Elective courses 1, 2 MODULE EDUCATIONAL WORK IN CULTURE OF SPEECH**

	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO204312	Language acquisition through playing	4	2+1+1	120
	4FO204412	Children's linguistic creativity	4	2+1+1	120
Elective 2	4FO204512	Communicative ability of a preschool child	4	2+1+1	120
	4FO204612	Teaching methods for educational work in culture of speech	4	2+1+1	120

II SEMESTER - FIRST YEAR				
CODE	COURSE	Credits	Hours	Overall workload
4FO203512	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

**MODULE: EDUCATIONAL WORK IN MATHEMATICS**

I SEMESTER - FIRST YEAR				
CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
4FO203712	Elementary mathematics	6	2+2+1	156
	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

I SEMESTER - first year, Elective courses 1, 2 MODULE EDUCATIONAL WORK IN MATHEMATICS					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO204712	Teaching methods for developing initial mathematical concepts	4	2+1+1	120
	4FO204812	Curriculum development and methods in the educational area of mathematics	4	2+1+1	120
Elective 2	4FO204912	ICT in educational work in mathematics	4	2+1+1	120
	4FO205012	Applied mathematics in educational work	4	2+1+1	120

II SEMESTER - FIRST YEAR				
CODE	COURSE	Credits	Hours	Overall workload
4FO203512	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

**MODULE: EDUCATIONAL WORK FOR NATURAL AND SOCIAL ENVIRONMENT**

I SEMESTER - FIRST YEAR				
CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156

4FO203812	Contemporary tendencies in educational work in nature and society	6	2+2+1	156
	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

**I SEMESTER – first year, Elective courses 1, 2 MODULE Educational work for natural and social environment**

	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO205112	Teaching methods for educational work in nature and society	4	2+1+1	120
	4FO205212	We play, explore, create	4	2+1+1	120
Elective2	4FO205312	Child and ecology	4	2+1+1	120
	4FO205412	Child and society	4	2+1+1	120

**II SEMESTER - FIRST YEAR**

CODE	COURSE	Credits	Hours	Overall workload
4FO203512	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

**MODULE: MUSIC EDUCATION**

**I SEMESTER - FIRST YEAR**

CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
4FO203912	Teaching methods for educational work in music education	6	2+2+1	156
	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

**I SEMESTER – first year, Elective courses 1, 2 MODULE Music education**

	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO205512	Musical instrument	4	2+1+1	120
	4FO205612	Creative musical expression	4	2+1+1	120
Elective 2	4FO205712	Psychology and music	4	2+1+1	120

	4FO205812	Music and movement	4	2+1+1	120
--	-----------	--------------------	---	-------	-----

## II SEMESTER - FIRST YEAR

CODE	COURSE	Credits	Hours	Overall workload
4FO203512	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

## MODULE: ART EDUCATION

### I SEMESTER - FIRST YEAR

CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
4FO204012	Art techniques	6	2+2+1	156
	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

### I SEMESTER - first year, Elective courses 1, 2 MODULE Art education

	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO205912	Fundamentals of the theory of art education	4	2+1+1	120
	4FO206012	Teaching methods for educational work in art education	4	2+1+1	120
Elective 2	4FO206112	Children's art work	4	2+1+1	120
	4FO206212	Creative workshop	4	2+1+1	120

## II SEMESTER - FIRST YEAR

CODE	COURSE	Credits	Hours	Overall workload
4FO203412	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

## MODULE: PHYSICAL AND HEALTH EDUCATION

### I SEMESTER - FIRST YEAR

CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
4FO204112	Theory of physical and health education	6	2+2+1	156

	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

<b>I SEMESTER – first year, Elective courses 1, 2 MODULE Physical and health education</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO206312	Theory and practice of play	4	2+1+1	120
	4FO206412	Kynesitherapy	4	2+1+1	120
Elective 2	4FO201912	Mental health and psychological counseling	4	2+1+1	120
	4FO201812	Positive psychology for children and parents	4	2+1+1	120

<b>II SEMESTER - FIRST YEAR</b>				
CODE	COURSE	Credits	Hours	Overall workload
4FO203412	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

### **MODULE: DRAMA EDUCATION**

<b>I SEMESTER - FIRST YEAR</b>				
CODE	COURSE	Credits	Hours	Overall workload
4FO203312	Developmental psychology (selected chapters)	6	2+2+1	156
4FO203412	Contemporary tendencies in preschool education	6	2+2+1	156
4FO204212	Drama education	6	2+2+1	156
	Elective course 1	4	2+1+1	120
	Elective course 2	4	2+1+1	120
	University elective course	4	2+1+1	120
	Total:	30	12+9+6	828

<b>I SEMESTER – first year, Elective courses 1, 2 MODULE Drama education</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO206512	Performing arts	4	2+1+1	120
	4FO206612	Reciting and speech culture	4	2+1+1	120
Elective 2	4FO206712	Puppetry and making dolls	4	2+1+1	120
	4FO206812	Scenography	4	2+1+1	120

II SEMESTER - FIRST YEAR				
CODE	COURSE	Credits	Hours	Overall workload
4FO203512	Methodical planning with workbook	6	2+2+1	156
	Specialist thesis	24	0+0+???	720
	Total:	30		876

**LISTS OF COMPULSORY COURSES OF PRESCHOOL EDUCATION (MODEL 3+1)**

CODE	COMPULSORY COURSES	Credits	Hours	Overall workload
4FO202612	Developmental psychology (selected chapters)	6	2+2+1	156
4FO202712	Contemporary tendencies in preschool education	6	2+2+1	156
4FO203412	Methodical planning with workbook	6	2+2+1	156
	Compulsory course depending on the elected MODULE	6	2+2+1	156

**MODULE: Educational work in culture of speech**

Compulsory Course1: Selected topics from Macedonian language and literature

**MODULE: Educational work in mathematics**

Compulsory Course: Elementary mathematics

**MODULE: Educational work in natural and social environment**

Compulsory Course: Contemporary tendencies in educational work for nature and society

**MODULE: Music education**

Compulsory Course: Teaching methods for educational work in music education

**MODULE: Art education**

Compulsory Course: Art techniques

**MODULE: Physical and health education**

Compulsory Course: Theory of physical and health education

**MODULE: Drama education**

Compulsory Course: Drama education

## LIST OF FACULTY ELECTIVE COURSES

<b>FACULTY ELECTIVE COURSES – PRESCHOOL EDUCATION - MODULE Educational work in culture of speech</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO204312	Language acquisition through playing	4	2+1+1	120
	4FO204412	Children's linguistic creativity	4	2+1+1	120
Elective 2	4FO204512	Communicative ability of a preschool child	4	2+1+1	120
	4FO204612	Teaching methods for educational work in culture of speech	4	2+1+1	120

<b>FACULTY ELECTIVE COURSES, Preschool education, MODULE Educational work in mathematics</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO204712	Teaching methods for developing initial mathematical concepts	4	2+1+1	120
	4FO204812	Curriculum development and methods in the educational area of mathematics	4	2+1+1	120
Elective 2	4FO204912	ICT in educational work in mathematics	4	2+1+1	120
	4FO205012	Applied mathematics in educational work	4	2+1+1	120

<b>FACULTY ELECTIVE COURSES, Preschool education, MODULE Educational work in natural and social environment</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO205112	Teaching methods for educational work in nature and society	4	2+1+1	120
	4FO205212	We play, explore, create	4	2+1+1	120
Elective 2	4FO205312	Child and ecology	4	2+1+1	120
	4FO205412	Child and society	4	2+1+1	120

<b>FACULTY ELECTIVE COURSES, Preschool education, MODULE Music education</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO205512	Musical instrument	4	2+1+1	120
	4FO205612	Creative musical expression	4	2+1+1	120
Elective 2	4FO205712	Psychology and music	4	2+1+1	120
	4FO205812	Music and movement	4	2+1+1	120

<b>FACULTY ELECTIVE COURSES, Preschool education, MODULE Art education</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO205912	Fundamentals of the theory of art education	4	2+1+1	120
	4FO206012	Teaching methods for educational work in art education	4	2+1+1	120
Elective 2	4FO206112	Children's art work	4	2+1+1	120
	4FO206212	Creative workshop	4	2+1+1	120

<b>FACULTY ELECTIVE COURSES, Preschool education, MODULE Physical and health education</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO206312	Theory and practice of play	4	2+1+1	120
	4FO206412	Kynesitherapy	4	2+1+1	120
Elective 2	4FO201912	Mental health and psychological counseling	4	2+1+1	120
	4FO201812	Positive psychology for children and parents	4	2+1+1	120

<b>FACULTY ELECTIVE COURSES, Preschool education, MODULE Drama education</b>					
	CODE	Course	Credits	Hours	Overall workload
Elective 1	4FO206512	Performing arts	4	2+1+1	120
	4FO206612	Reciting and speech culture	4	2+1+1	120
Elective 2	4FO206712	Puppetry and making dolls	4	2+1+1	120
	4FO206812	Scenography	4	2+1+1	120

**LIST OF UNIVERSITY ELECTIVE COURSES**  
Study Program 2012/2013

No.	Course	Course number AAA	Code	ECTS	Hours	Overall workload	Lecturer / Instructor
1	Entrepreneurship	001	UGD200112	4	2+1+1	120	PhD Risto Fotov
2	Human Resources Management	002	UGD200212	4	2+1+1	120	PhD Trajko Micevski



3	Promotion	003	UGD200312	6	2+2+1	156	PhD Riste Temjanovski
4	Organizational Behavior	004	UGD200412	6	2+2+1	156	PhD Trajko Micevski
5	Applied Electrical Engineering	005	UGD200512	6	2+2+1	156	PhD Vasilija Sharc
6	Agroecology	006	UGD200612	6	2+2+1	156	PhD Ilijana Koleva Gudeva
7	Organic production	007	UGD200712	6	2+2+1	156	PhD Verica Ilieva; PhD Ljupco Mihajlov
8	Unconventional processes	008	UGD200812	4	2+1+1	120	PhD Simeon Simeonov
9	Plastic processing technologies	009	UGD200912	4	2+1+1	120	PhD Slavco Cvetkov
10	Copyright and other related rights	010	UGD201012	6	2+2+1	156	PhD Vojo Belovski
11	European Union - institutions and law	011	UGD201112	4	2+1+1	120	PhD Ljupco Sotirovski
12	International Criminal Law	012	UGD201212	6	2+2+1	156	PhD Todor Vitlarov
13	Political parties	013	UGD201312	4	2+1+1	120	PhD Jovan Ananiev
14	Design and analysis of experiments	014	UGD201412	4	2+1+1	120	PhD Dimko Dimeski
15	History and Theory of Design	015	UGD201512	4	2+1+1	120	PhD Katerina Despot
16	Mechanical properties of textile materials	016	UGD201612	4	2+1+1	120	PhD Dimko Dimeski
17	Macedonian WEB technologies to support business	017	UGD201712	4	2+1+1	120	PhD Cveta Martinovska; PhD Aleksandra Mileva; PhD Sasko Kocevski; PhD Natasa Kocevska
18	Business data communications	018	UGD201812	4	2+1+1	120	PhD Igor Stojanovik; PhD Zoran Utkovski
19	E-learning	019	UGD201912	4	2+1+1	120	PhD Zoran Zdravev; PhD Blagoj Delipetrov
20	Finite Element Method	020	UGD202012	6	2+2+1	156	PhD Vlado Gicev; PhD Jordan Zivanovik
21	Finite Element Method	021	UGD202112	4	2+1+1	120	PhD Vlado Gicev; PhD Jordan Zivanovik
22	Applied Data Analysis	022	UGD202212	6	2+2+1	156	PhD Tatjana Atanasova Pacemska
23	Applied Data Analysis	023	UGD202312	4	2+1+1	120	PhD Tatjana Atanasova Pacemska

24	Business foreign language (English) *	<b>024</b>	<b>UGD202412</b>	4	2+1+1	120	PhD Nina Daskalova
25	Business foreign language (German)*	<b>025</b>	<b>UGD202512</b>	4	2+1+1	120	PhD Biljana Ivanovska
26	Macedonian language in public communication	<b>026</b>	<b>UGD202612</b>	4	2+1+1	120	PhD Snezana Venovska – Antevska
27	Music of the human race	<b>027</b>	<b>UGD202712</b>	4	2+1+1	120	PhD Antonijo Kitanovski
28	Educational systems	<b>028</b>	<b>UGD202812</b>	4	2+1+1	120	Phd Kiril Barbareev
29	Developmental psychology	<b>029</b>	<b>UGD202912</b>	4	2+1+1	120	PhD Lence Miloseva
30	GIS	<b>030</b>	<b>UGD203012</b>	4	2+1+1	120	PhD Zoran Panov; PhD Todor Delipetrov
31	Industrial Engineering	<b>031</b>	<b>UGD203112</b>	6	2+2+1	156	PhD Boris Krstev
32	Methodology in scientific research	<b>032</b>	<b>UGD203212</b>	4	2+1+1	120	PhD Boris Krstev
33	Natural resources	<b>033</b>	<b>UGD203312</b>	6	2+2+1	156	PhD Blazo Boev; PhD toдор Serafimovski
34	Business systems in tourism and hospitality	<b>034</b>	<b>UGD203412</b>	6	2+2+1	156	PhD Nako Taskov
35	International tourist zones	<b>035</b>	<b>UGD203512</b>	4	2+1+1	120	PhD Nikola Dimitrov
36	Planning in Tourism	<b>036</b>	<b>UGD203612</b>	6	2+2+1	156	PhD Biljana Petrevska
37	Regional Planning and Sustainable Development	<b>037</b>	<b>UGD203712</b>	4	2+1+1	120	PhD Nikola Dimitrov
38	Applied Electrical Engineering	<b>038</b>	<b>UGD203812</b>	4	2+1+1	120	PhD Vasilija Sharc