



REPUBLIC OF NORTH MACEDONIA
SS CYRIL AND METHODIUS UNIVERISTY IN SKOPJE
FACULTY OF PEDAGOGY “ST. KLIMENT OHRIDSKI”



THIRD CYCLE (DOCTORAL) STUDIES
EDUCATION OF TEACHERS
(FOR PRIMARY EDUCATION)

Skopje, 2017

STUDY PROGRAMME TITLE:

Third cycle – doctoral study programme in **EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)**

The term *Primary Education* corresponds to ISCED educational level 1 (elementary education/basic education stage 1, grades 1–5, approximately 6–11 years of age).

SHORT DESCRIPTION OF THE STUDY PROGRAMME:

The study programme is interdisciplinary and is organized in the following scientific areas:

- 1 Natural Sciences and Mathematics
- 5 Social Sciences
- 6 Humanities and Arts

The study programme consists of four subprogrammes:

- I. Education of teachers (for primary education) in the area of natural sciences and mathematics
- II. Education of teachers (for primary education) in the area of social sciences
- III. Pedagogy education of teachers (for primary education)
- IV. Education of teachers (for primary education) in the area of humanities and arts
Module A – Linguistic and literary education of teachers (for primary education)
Module B – Education of teachers (for primary education) in humanities and arts.

DURATION OF STUDIES:

Three study years, 180 ECTS credits

The study programme consists of:

1. Training for research work, 30 ECTS credits;
2. Teaching, 30 ECTS credits;
3. Application, preparation and defense of doctoral dissertation, 120 ECTS credits.

OBTAINED ACADEMIC TITLE:

Upon completion of the study programme and a defense of the doctoral dissertation the candidate obtains the academic title: **PHD IN EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)**.

For additional information related to the doctoral programme, please use the following links:

https://www.pfsko.ukim.edu.mk/?page_id=1190

http://www.ukim.edu.mk/mk_content.php?meni=8&glavno=8

STUDY PROGRAMME STRUCTURE

Courses for gaining generic knowledge and skills for research	Semester	ECTS
Scientific research ethics with application and examples in social sciences, natural sciences and mathematics	I	4
Methodology of research work with application and examples in social sciences, natural sciences and mathematics	I	4
An elective course for gaining generic knowledge and skills for research from the University list of elective courses	I	4
Scientific field, research area and specific research area courses	Semester	ECTS
Elective course	I	6
Elective course	I	6
Elective course	I	6
Elective course	II	6
Elective course	II	6

In accordance with the multidisciplinary character of the study programme, the concentration of the courses elected by the student enrolled in a subprogramme originates from that subprogramme, with the option of electing courses (not more than 40 %) from another subprogramme in case the doctoral dissertation has interdisciplinary character.

ACTIVITIES BY SEMESTER

	Activities	ECTS
I YEAR – First semester		
1	Scientific research ethics with application and examples in social sciences, natural sciences and mathematics	4
2	Methodology of research work with application and examples in social sciences, natural sciences and mathematics	4
3	An elective course for gaining generic knowledge and skills for research from the University list of elective courses	4
4	Elective course in the scientific field, research area and specific research area	6
5	Elective course in the scientific field, research area and specific research area	6
6	Elective course in the scientific field, research area and specific research area	6
First semester total ECTS		30
I YEAR – Second semester		
1	Elective course in the scientific field, research area and specific research area	6
2	Elective course in the scientific field, research area and specific research area	6
3	Doctoral seminar with oral presentation	2
4	Research (for preparation of the theme for doctoral dissertation)	14
5	Yearly conference with presentation of a report	2
Second semester total ECTS		30
II YEAR – Third semester		
1	Preparation and application of the theme for doctoral dissertation and independent research	28
2	Doctoral seminar with presentation of the report	2
Third semester total ECTS		30
II YEAR – Fourth semester		
1	Workshop on research practice	3
2	Independent research and publication of results	25
3	Yearly conference with presentation of a report	2
Fourth semester total ECTS		30
III YEAR – Fifth semester		
1	Independent research and publication of results	28
2	Doctoral seminar with presentation of a report	2
Fifth semester total ECTS		30
III YEAR – Sixth semester		
1	Workshop on research practice	3
2	Research and writing of thesis	25
3	Yearly conference with presentation of a report	2
Sixth semester total ECTS		30
Total ECTS		180

**LIST OF ELECTIVE COURSES
FOR GAINING GENERIC KNOWLEDGE AND SKILLS FOR RESEARCH
(UNIVERSITY LIST OF ELECTIVE COURSES)**

COURSE TITLE	UNIVERSITY PROFESSOR	LANGUAGE	ECTS
Advanced academic writing	B. Petkovska (course leader), M. Spasevski, B. Malenko	Macedonian	4
	V. Kadriu, L. Aliu	Albanian	
Multidisciplinary research approach in education (The course exam is conducted by a committee of 3 university professors: the course leader Z. Mihajlovski and professors from two different scientific areas)	Z. Mihajlovski (course leader)	Macedonian and English	4
	Natural sciences and mathematics:		
	S. Jakimovik	Macedonian and English	
	M. Glavche	Albanian	
	A. Kjahil	Turkish	
	Social sciences:		
	R. Popova Koskarova	Macedonian	
	E. Sulejmani	Albanian	
	Humanities and arts:		
	E. Bandilovska, M. Raunik Kirkov	Macedonian	
	Lj. Ademi	Albanian	
A. Islam	Turkish and English		
Systematic studies of preschool education	T. Koteva Mojsovska	Macedonian	4
	Gj. Kasapi	Albanian	
Family education aimed at social development	T. Koteva Mojsovska	Macedonian	4
Pedagogical methodology of scientific research	M. Petrova	Macedonian	4
	F. Shehu	Albanian	
Modern approaches in educational management	P. Popova-Koskarova	Macedonian	4
	F. Shehu	Albanian	
Teaching strategies for successful learning and teaching	B. Kamchevska (course leader), V. Makashevska	Macedonian	4
Theory and development of curriculum	S. Nikodinovska Banchotovska	Macedonian	4
Interculturalism in music education	V. Talevski	Macedonian	4
	A. Islam	Turkish and English	
School libraries and education	S. Kotovchevska (course leader) B. Petkovska M. Spasovski	Macedonian	4
Applied research in primary education	M. Malcev	Macedonian	4
	B. Saiti	Albanian	

**LIST OF ELECTIVE COURSES IN THE SCIENTIFIC FIELD, RESEARCH AREA
AND SPECIFIC RESEARCH AREA**

Subprogramme:

**EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)
IN THE AREA OF NATURAL SCIENCES AND MATHEMATICS**

COURSE TITLE	UNIVERSITY PROFESSOR	LANGUAGE	ECTS
Research in mathematics education	S. Jakimovik	Macedonian and English	6
	M. Glavche	Albanian	
Scientific-disciplinary foundations of mathematical literacy	S. Jakimovik	Macedonian and English	6
Contemporary approaches to the initial teaching of mathematics in primary education	V. Makashevskva	Macedonian	6
	M. Glavche	Albanian	
Research and development of the mathematics curriculum	S. Jakimovik	Macedonian and English	6
	M. Glavche	Albanian	
Integrated approaches in teaching natural sciences in primary education	B. Kamchevska	Macedonian	6
	L. Jegeni	Albanian	
	A. Kjahil	Turkish	
Norms and standards in schools for promotion of student health	B. Gligorova	Macedonian	6
Ecology in teacher education	B. Gligorova	Macedonian	6
	Jl. Jegeni	Albanian	
	A. Kjahil	Turkish	

Subprogramme:**EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)
IN THE AREA OF SOCIAL SCIENCES**

COURSE TITLE	UNIVERSITY PROFESSOR	LANGUAGE	ECTS
Society and education	V. Timovski	Macedonian	6
	E. Sulejmani	Albanian	
Religious systems and education	V. Timovski	Macedonian	6
	E. Sulejmani	Albanian	
Education for cultural diversity	R. Popova-Koskarova	Macedonian	6
	E. Sulejmani	Albanian	
Cognitive development	Z. Mihajlovski	Macedonian and English	6
Psychology of learning, memorizing and reasoning	Z. Mihajlovski	Macedonian and English	6
Gender differences in cognitive abilities	Z. Mihajlovski	Macedonian and English	6
Applied kinesiological research in primary education	M. Malcev	Macedonian	6
	B. Saiti	Albanian	
Scientific-disciplinary basis of physical and health education	M. Malcev	Macedonian	6
	B. Saiti	Albanian	
Integrated approaches in teaching social and humanistic sciences in primary education	B. Kamchevska	Macedonian	6
	L. Jegeni	Albanian	
Discovering and working with gifted children	B. Kamchevska	Macedonian	6

Subprogramme:**PEDAGOGY EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)**

COURSE TITLE	UNIVERSITY PROFESSOR	LANGUAGE	ECTS
Contemporary models and strategies of educational action	P. Popova-Koskarova	Macedonian	6
Educational systems	P. Popova-Koskarova	Macedonian	6
	F. Shehu	Albanian	
The professional competencies of teachers	S. Nikodinovska Banchotovska	Macedonian	6
Dokimological categories in didactics	S. Nikodinovska Banchotovska	Macedonian	6
Communicological relations and strategies in education	T. Koteva Mojsovska	Macedonian	6
	F. Shehu	Albanian	
The education system, family and community	T. Koteva Mojsovska	Macedonian	6
Strategies of qualitative and action research in education	M. Petrova	Macedonian	6
	F. Shehu	Albanian	
Different pedagogical strategies - successful students	M. Petrova	Macedonian	6
Creating an environment of learning and development (primary education)	V. Makashevka	Macedonian	6
Didactics of multimedia systems	S. Nikodinovska Banchotovska	Macedonian	6
Montessori method for primary children/student education	M. Petrova	Macedonian	6

Subprogramme:**EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)
IN THE AREA OF HUMANITIES AND ARTS****Module A – LINGUISTIC AND LITERARY EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)**

COURSE TITLE	UNIVERSITY PROFESSOR	LANGUAGE	ECTS
Language in primary education	B. Malenko	Macedonian	6
	V. Kadriu	Albanian	
Scientific-disciplinary basis of language literacy	B. Malenko	Macedonian	6
	V. Kadriu	Albanian	
Mother tongue as a didactic tool in primary education	E. Bandilovska	Macedonian	6
	Lj. Ademi	Albanian	
The lexis and the lexical system of Macedonian/Albanian language	E. Bandilovska	Macedonian	6
	Lj. Ademi	Albanian	
Formation of words	E. Bandilovska	Macedonian	6
	V. Kadriu	Albanian	
Technology and multimedia in teaching the mother tongue	B. Petkovska	Macedonian	6
	Lj. Ademi	Albanian	
Didactics of the logographic, alphabetic and orthographic phase of literacy in the subject Macedonian language	B. Petkovska	Macedonian	6
Didactics of functional literacy in the subject Macedonian language	B. Petkovska	Macedonian	6
Didactics of the mother tongue in bilingual environments	M. Spasevski B. Malenko	Macedonian	6
	Lj. Aliu	Albanian	
Contemporary perspectives in the research of literature	M. Spasevski	Macedonian	6
	Lj. Aliu	Albanian	
From language to literature	M. Spasevski	Macedonian	6
	Lj. Aliu	Albanian	

Subprogramme:**EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION)
IN THE AREA OF HUMANITIES AND ARTS****Module B – EDUCATION OF TEACHERS (FOR PRIMARY EDUCATION) IN HUMANITIES AND ARTS**

COURSE TITLE	UNIVERSITY PROFESSOR	LANGUAGE	ECTS
Contemporary tendencies in didactics of music in teacher education	V. Talevski	Macedonian	6
	A. Islam	Turkish and English	
	J. Starova Mehmeti	Albanian	
Musical approaches for children with special needs	V. Talevski	Macedonian	6
	A. Islam	Turkish and English	
	J. Starova Mehmeti	Albanian	
Didactical approaches for preservation of the musical tradition	V. Talevski	Macedonian	6
	A. Islam	Turkish and English	
	J. Starova Mehmeti	Albanian	
Technology and multimedia in the visual arts education	M. Raunik Kirkov	Macedonian	6
Strategies for stimulation of creativity in the visual arts expression of students	M. Raunik Kirkov	Macedonian	6
Ethics in teacher education	S. Kamdijjash	Macedonian	6
Librarianship and primary education	S. Kotovchevska	Macedonian	6
History of civilizations in Macedonia	S. Kotovchevska	Macedonian	6
History of the Slavic alphabets	V. Martinovska	Macedonian	6

"MOBILITY WINDOWS"
COURSES AVAILABLE IN ENGLISH LANGUAGE OF INSTRUCTION:

No.	COURSE TITLE	UNIVERSITY PROFESSOR	SEMESTER	ECTS
1	Multidisciplinary Research Approach in Education	Z. Mihajlovski (course leader) S. Jakimovik A. Islam	I	4
2	Interculturalism in Music Education	A. Islam	I	4
No.	Course title	University professor	Semester	ECTS
3	Research in Mathematics Education	S. Jakimovik	I or II	6
4	Scientific-Disciplinary Foundations of Mathematical Literacy	S. Jakimovik	I or II	6
5	Research and Development of the Mathematics Curriculum	S. Jakimovik	I or II	6
6	Cognitive Development	Z. Mihajlovski (course leader) M. Nikolovska	I or II	6
7	Psychology of Learning, Memorizing and Reasoning	Z. Mihajlovski (course leader) M. Nikolovska	I or II	6
8	Gender Differences in Cognitive Abilities	Z. Mihajlovski (course leader) M. Nikolovska	I or II	6
9	Contemporary Tendencies in Didactics of Music in Teacher Education	A. Islam	I or II	6
10	Musical Approaches for Children with Special Needs	A. Islam	I or II	6
11	Didactical Approaches for Preservation of the Musical Tradition	A. Islam	I or II	6