



Doctoral education in Ukraine



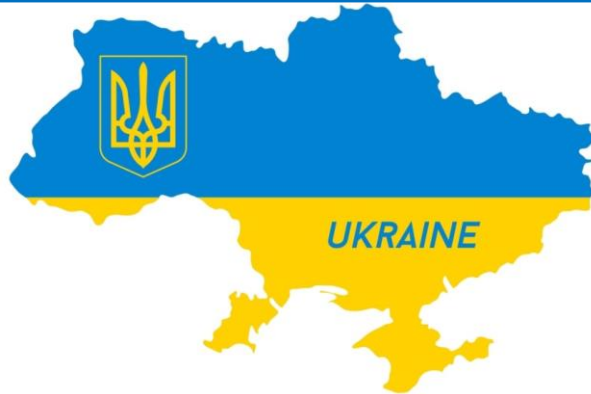
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Vice-Rector for Research

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LANDSCAPE OF DOCTORAL EDUCATION IN UKRAINE



25 668 PhD students



Taras Shevchenko National
University of Kyiv

1047 PhD students **(4,1 %)**

*Training covered
from the State*

Full-time

408 institutions have PhD programs:

- **231** Universities – **23 469** PhD students (**91,4 %**)
- **177** Research Institutes – **2 199** PhD students (**8,6 %**)

• Annual report of the National Agency for Higher Education Quality Assurance. URL: <https://naqa.gov.ua/wp-content/uploads/2022/02/%D0%97%D0%B2%D1%96%D1%82-2021.pdf>

• Report on the work of postgraduate studies (2021) of Taras Shevchenko National University of Kyiv. Section I. Number of postgraduates, admission and graduation

TRANSITION TO THE EUROPEAN MODEL OF DOCTORAL EDUCATION

(in the framework of Bologna process)

Since 2016

TRAINING OF CANDIDATES OF SCIENCES

3 years

Researcher

More than 500 scientific specialties

The passport of the scientific specialties

The defense of thesis takes place **in permanent** specialized academic councils

TRAINING OF PhD STUDENTS

4 years

Student

40 specialties (15 fields of knowledge) harmonized with 38 ISCED-F (in 2021)

The standards of educational and scientific programs for the specialties (in 2022)

Accreditation of educational and scientific programs

Intensification of academic mobility

The defense of thesis takes place **in one-time** specialized academic councils

HARMONIZED LIST OF HIGHER EDUCATION SPECIALTIES WITH INTERNATIONAL STANDARD CLASSIFICATION OF EDUCATION

The harmonized list was approved by the resolution
of the Cabinet of Ministers of Ukraine of July 7, 2021 № 762

Postgraduate studies at the University take place in
40 specialties of 15 fields of knowledge

(List 2015, approved by the Cabinet of Ministers of Ukraine), which
correspond to 38 detailed fields according to the ISCED-F

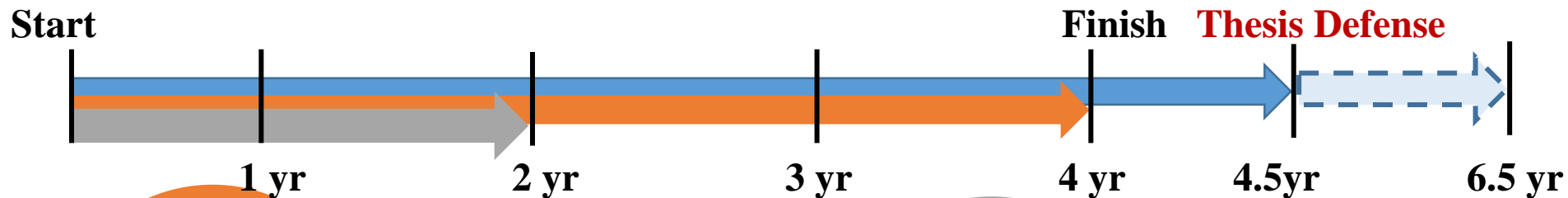


Code and name of the field of knowledge (Ukraine)	Code and name of specialty (Ukraine)	Code and name of the relevant detailed field according to the ISCED
01 Education, Pedagogy	011 Education, Pedagogy	0111 Education science
03 Humanities	031 Religious studies	0221 Religion and theology
	032 History and Archeology	0222 History and archaeology
	033 Philosophy	0223 Philosophy and ethics
	034 Culture Studies	0314 Sociology and cultural studies
	035 Philology	0231 Language acquisition 0232 Literature and linguistics
05 Social and Behavioral Studies	051 Economics	0311 Economics
	052 Political Science	0312 Political sciences and civics
	053 Psychology	0313 Psychology
	054 Sociology	0314 Sociology and cultural studies
06 Journalism	061 Journalism	0321 Journalism and reporting
07 Management and Administration	071 Accounting and Taxation	0411 Accounting and taxation
	072 Finance, Banking and Insurance	0412 Finance, banking and insurance
	073 Management	0413 Management and administration
	075 Marketing	0415 Secretarial and office work 0414 Marketing and advertising
	076 Entrepreneurship, Trade and Exchange Activity	0413 Management and administration 0416 Wholesale and retail sales
08 Law	081 Law	0421 Law
09 Biology	091 Biology	0511 Biology
		0512 Biochemistry

HARMONIZED LIST OF HIGHER EDUCATION SPECIALTIES WITH INTERNATIONAL STANDARD CLASSIFICATION OF EDUCATION

Code and name of the field of knowledge (Ukraine)	Code and name of specialty (Ukraine)	Code and name of the relevant detailed field according to the ISCED	
10 Natural Sciences	101 Ecology	0521	Environmental sciences
		0522	Natural environments and wildlife
	102 Chemistry	0531	Chemistry
	103 Earth Sciences	0532	Earth sciences
	104 Physics and Astronomy	0533	Physics
	105 Applied Physics and Nanomaterials	0588	Inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics
11 Mathematics and Statistics a	106 Geography	0314	Sociology and cultural studies
	111 Mathematics	0541	Mathematics
	112 Statistics	0542	Statistics
	113 Applied Mathematics	0588	Inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics
12 Information Technologies		0613	Software and applications development and analysis
	121 Software Engineering		
	122 Computer Science	0613	Software and applications development and analysis
	123 Computer Engineering	0612	Database and network design and administration
		0714	Electronics and automation
	124 System Analysis	0688	Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)
	125 CyberSecurity	0612	Database and network design and administration
	126 Information Systems and Technologies	0611	Computer use
	0612	Database and network design and administration	
17 Electronics and Telecommunications	172 Telecommunications and Radio Engineering		
23 Social Work	231 Social Work	0921	Care of the elderly and of disabled adults
		0922	Child care and youth services
		0923	Social work and counselling
24 Services	242 Tourism	1015	Travel, tourism and leisure
28 Public Management and Administration	281 Public Administration		Management and administration
		0413	
29 International Relation	291 International Relations, Public Communication and Regional Studies, Specialization International Relations	0312	Political sciences and civics
		0314	Sociology and cultural studies
		0388	Inter-disciplinary programmes and qualifications involving social sciences, journalism and information
	292 International Economic Relations	0311	Economics
	293 International Law	0312	Political sciences and civics
		0421	Law

GENERAL STRUCTURE OF PhD PROGRAM IN UKRAINE



Scientific component

Duration - the whole training period (4 years):

Research project

3 (three) original research papers in peer-review journals /monography must be published

Educational component

Duration – the first and second years of study

43 ECTS credits:

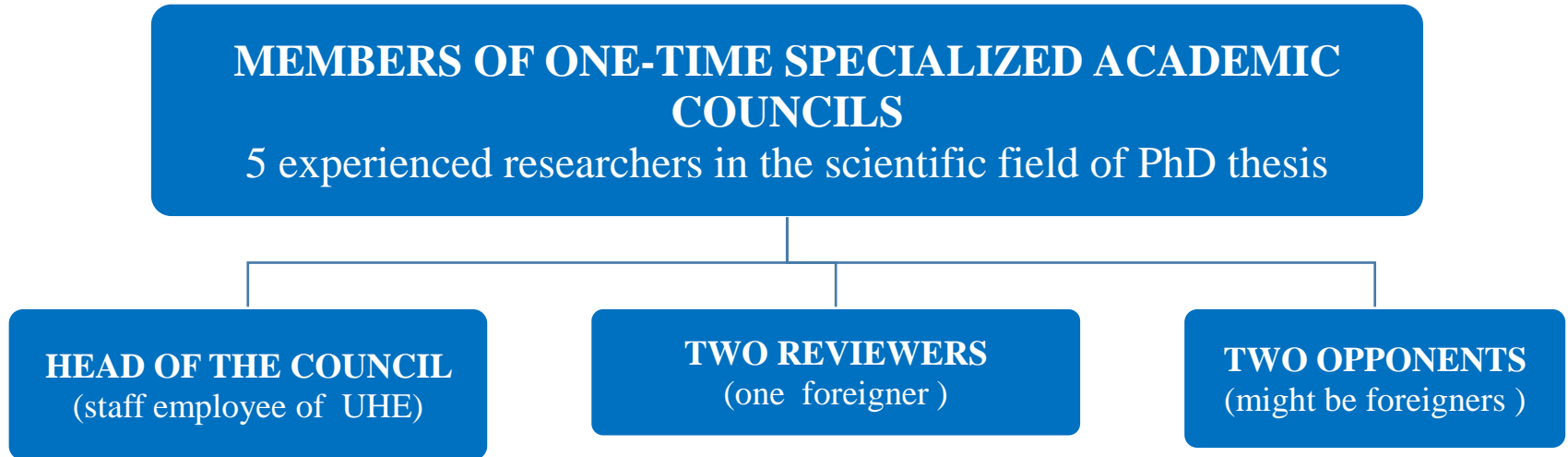
21 ECTS credits (mandatory educational disciplines)

12 ECTS credits (block of the elective disciplines)

10 ECTS credits (assistant pedagogical practice)

REFORM OF DOCTORAL EDUCATION IN UKRAINE & OPPORTUNITIES FOR INTERNALIZATION

- ✓ **Two PhD supervisors based on the Inter-institutional Agreement**



- ✓ **Language of Defense - Ukrainian/English**
- ✓ **Language of PhD thesis - Ukrainian/English**
- ✓ ***Cotutelle* – one defense – 2 PhD Diplomas**

With 138 responses from 28 European countries, the survey report outlines the strategic priorities and the main thematic areas in which European universities are engaging, in the field of doctoral education.

Co-tutelles in European universities: concept, aims and implementation

EUA-CDE Thematic Peer Group Report

Chair: Laurinda Leite, University of Minho, Portugal

EUA-CDE coordinators: Ana-Maria Peneoasu & Alexander Hasgall

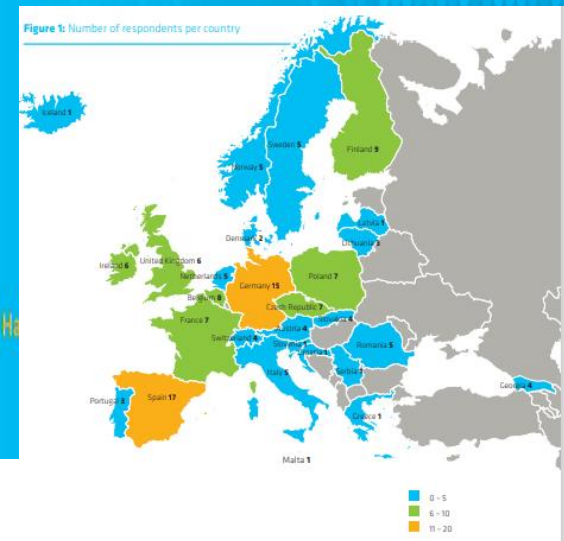
May 2022

SURVEY

Doctoral education in Europe: current developments and trends

By Alexander Hasgall

April 2022



JOINT INTERNATIONAL SUPERVISION OF THE PhD STUDENTS (SINCE 1999)

Cotutelle



• FACULTY OF ECONOMICS (3 AGREEMENTS)

UNIVERSITY OF NORDLAND
UNIVERSITETET I NORDLAND



• FACULTY OF CHEMISTRY (2 AGREEMENTS)

UNIVERSITY OF TOULOUSE
L'UNIVERSITÉ DE TOULOUSE

UNIVERSITY OF ANGERS
UNIVERSITÉ D'ANGERS



• EDUCATIONAL AND SCIENTIFIC INSTITUTE OF HIGH TECHNOLOGIES (1 AGREEMENT)



CLAUDE BERNARD LYON 1 UNIVERSITY
UNIVERSITÉ CLAUDE-BERNARD LYON 1



• FACULTY OF MECHANICS AND MATHEMATICS (1 AGREEMENTS)

UNIVERSITY OF TOULON
UNIVERSITÉ DE TOULON



• FACULTY OF GEOGRAPHY

!(1 AGREEMENT AT THE STAGE OF SIGNING)

TALLINN UNIVERSITY
TALLINNA ÜLIKOOL



• EDUCATIONAL AND SCIENTIFIC INSTITUTE "INSTITUTE OF GEOLOGY" (1 AGREEMENT)

UNIVERSITY OF LORRAINE
UNIVERSITÉ DE LORRAINE



CHALLENGES THAT FACE UKRAINIAN RESEARCH SYSTEM AFTER WAR STARTED

Human resources (statistical data from TSNUK)

- ✓ Up to 15% of PhD students fled Ukraine (mostly female)
- ✓ Only 10% of fled PhD students found opportunities for Academic mobility
- ✓ Three times increased number of PhD students who temporarily interrupted their study vs. the same period in 2021
- ✓ Some PhD students voluntarily mobilized in Armed Forces of Ukraine

Research Grants

- ✓ The State budget allocated for Research has been cut twice by 10%
- ✓ The National Research Foundation of Ukraine stopped their operation

Research Infrastructure

- ✓ The State budget allocated for infrastructure projects and equipment has been cut by 100%
- ✓ The operation of core facilities has been interrupted because of lack of high qualified employees or damages

TWO WAY STREET

Ukraine-EU countries

- **Short-term actions**

- provide theoretical training for PhD students on-line (1st and 2nd year PhD students)
- run workshops for PhD students about Policy changes related to Defense Procedures during the War (4th year PhD students)
- run workshops for both PhD students and their supervisors on the research funds and scholarships outside of Ukraine (1st-3rd year PhD students and their supervisors).

- **Long-term actions**

- Increase the number of *Cotutelles* (we need more information about funding options for Cotutelles in EU)
- Joint PhD programs