

The curriculum at the Doctoral School at the SGH Warsaw School of Economics for the discipline of Economics and Finance in the scope of *economics* as of the academic year 2021/2022

1. General characteristics of education

Education at the Doctoral School at the SGH Warsaw School of Economics lasts 8 semesters and prepares to obtain the degree of a doctor in the discipline of Economics and Finance. The main subject of education and scientific research is economics. The education covers implementation of the curriculum and the Individual Research Plan and leads to the achievement of learning effects for the qualification at the 8th level of the Polish Qualification Framework.

2. Learning effects (*knowledge, skills and social competences*)

Learning effect symbol	Graduate of the curriculum at the Doctoral School at the SGH Warsaw School of Economics in the scope of economics with the degree of a doctor:	Reference to characteristics of the Polish Qualification Framework, 8 th level – code of the description component ¹
KNOWLEDGE: knows and understands		
W_1	global achievements including theoretical basics and general subject matters related to the discipline of economics and finance	P8S_WG
W_2	global achievements including selected specific subject matters relevant for economics to the extent allowing revision of existing paradigms	P8S_WG
W_3	main development trends in scientific disciplines in which education is provided at the Doctoral School	P8S_WG
W_4	general methodology of social sciences including the methodology of scientific research relevant for economics	P8S_WG
W_5	rules of popularising results of the scientific activity, also in the mode of open access and basic rules of transferring knowledge to the economic and social	P8S_WG P8S_WK

¹ Regulation of the Minister of Science and Higher Education of 14 November 2018 on characteristics of the second cycle degree learning effects for qualifications at the 6th – 8th levels of the Polish Qualification Framework (PRK) (Journal of Laws of 2018, item 2218).

	sphere, including basic rules of commercialising results of the scientific activity and know-how related to such results	
W_6	economic, legal and ethical conditions of conducted scientific activity	P8S_WK
W_7	fundamental dilemmas of contemporary civilisation	P8S_WK
SKILLS: can		
U_1	use knowledge from various scientific disciplines to creatively identify, formulate and innovatively resolve complex issues or perform research tasks and, in particular: <ul style="list-style-type: none"> – define the objective and subject of scientific research, formulate research hypotheses, – creatively use and develop scientific methods, techniques and tools relevant for conducted research, – draw conclusions on the grounds of results of scientific research 	P8S_UW
U_2	conduct critical analysis and assessment of results of the scientific research, expert activities and other creative work, and their contribution to the development of knowledge in the area of conducted research	P8S_UW
U_3	popularise results of scientific activity or transfer them to the economic and social sphere	P8S_UW P8S_UW
U_4	communicate in specialist topics, also in a modern foreign language at least at B2 level of the Common European Framework of Reference for Languages with specialists in their scientific and professional discipline, as well as with persons outside these environments	P8S_UK
U_5	document and present results of research and prepare publications of scientific character – in compliance with the rules of producing this kind of compilations – with a respect for the rules of intellectual property protection	P8S_UK
U_6	participate in the scientific discourse	P8S_UK
U_7	initiate a debate	P8S_UK
U_8	plan and perform individual and group research projects, also in the international environment	P8S_UO
U_9	independently plan and act to the benefit of own scientific and professional development, as well as inspire and organise development of other persons	P8S_UU

U_10	plan and conduct classes in the area of the conducted scientific and professional activity with the use of modern methods and tools	P8S_UU
SOCIAL COMPETENCES: is ready to		
K_1	critically assess scientific achievements and expert activity within the scientific discipline in which the doctoral dissertation is being prepared	P8S_KK
K_2	critically assess own contribution to the development of the scientific discipline in which the doctoral dissertation is being prepared	P8S_KK
K_3	recognise the significance of knowledge in solving cognitive and practical issues	P8S_KK
K_4	responsibly perform social obligations of a researcher, including initiating activities to the benefit of common good	P8S_KO
K_5	maintain and develop the ethos of research environment by, among others: – conducting scientific activity in an independent and ethical manner, – respecting the rules of public property of results of scientific activity, with a consideration of the intellectual property protection, – conducting the opinion-forming activity in a responsible and ethical manner	P8S_KR
K_6	think and act in an entrepreneurial and innovative manner	P8S_KO

3. Curriculum at the Doctoral School at the SGH Warsaw School of Economics in the discipline of Economics and Finance in the scope of economics

No.	Subject area / subjects	Subject status: O – obligatory, F – facultative	Number of ECTS	Number of hours
A.	Common subjects		Total: 12	Total: 78
1.	Writing and publishing scientific articles	O	1	6

2.	Research workshop	O	0.5	6
3.	Research methodology workshop	O	3	30
4.	Ethics in science	O	2	6
5.	Philosophy of science	O	3	10
6.	Scientific seminar	O	2.5/0.5/ semester	20/4 per a semester
B.	Major subjects²:		Total: 14	Total: 120
1.	Microeconomics	O	7	60
2.	Macroeconomics	O	7	60
C.	Supporting subjects:		Total: 10	Total: 90
1.	Econometrics ³	O	5	45
2.	Statistics ⁴	O	5	45
D.	Discretionary supplementary subjects (at least two):		Total: 6	Total: 60
1.	Contemporary mainstream microeconomics	F	3	30
2.	Contemporary mainstream macroeconomics	F	3	30
3.	Public sector economy ⁵	F	3	30
4.	Economic modelling	F	3	30
5.	Game theory ⁶	F	3	30
6.	Subject(s) from the Doctoral School's offer	F	3	30
E.	Doctoral seminar	O	4	120
			In total area A,B,C,D, E: 45	In total area A,B,C,D, E: 468

² Major subjects prepare for two major exams (see: subpar. 5 and the Rules and Regulations of the Doctoral School).

³ The same subject in the curriculum for the discipline of economics and finance in the scope of finance.

⁴ The same subject in the curriculum for the discipline of economics and finance in the scope of finance.

⁵ The same subject in the curriculum for the discipline of economics and finance in the scope of finance.

⁶ The same subject in the curriculum for the discipline of economics and finance in the scope of finance.

	The Individual Research Plan	O	
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4. "Implementation doctorate" profile

In the "implementation doctorate" profile, in the subject area B all subjects have 42 hours each, in the subject area C all subjects have 32 hours each, and in the subject area D all subjects have 21 hours each.

5. Major exams

The doctoral student is obliged to pass two major exams in the 4th semester: *Macroeconomics and Microeconomics*. These exams are not included in the settlement of the doctoral student's requirements within an academic year. Major subjects prepare for major exams. The scope and forms of major exams are specified in the major exams cards.