



MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

**CURRICULUM**

(Enrolment 2020)

**APPROVED**

by Academic Council

Igor Sikorsky Kyiv Polytechnic Institute  
(meeting protocol № \_\_ from \_\_\_\_ 2020)

Head of Academic Council

\_\_\_\_\_  
Mykhaylo ILCHEUKO

Level **PhD**

Speciality **186 "Publishing and Printing"**

Educational and Scientific program **"Publishing and Printing"**

Faculty (Institute) **Technology of Printing Production, Reprography**

Form of study **full-time**  
(full-time, part-time)

Qualification **Doctor of Philosophy in Publishing and Printing**

Study duration **4 years**

Base level **Master degree**

Educational component **40 ECTS Credits**

**Schedule of study**

YEAR	October					November				December					January				February				March					April					May					June					July					August					September																																															
I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52																																																
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II														I	I	E	E	E	R	R	RT	RT	RT																																																																													
III	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	RT	RT	RT	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R																												
IV	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	RT	RT	RT	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R																																										

Symbols: L Learning period, E Examination, I Internship, R Research, RT Report, A Assessment, H Holiday

**I. Educational component**

Summary table of time budget (Weeks)						Internship		
YEAR	Learning period	Examination	Internship	Holiday	Total	Type of Internship	YEAR/Semester	Weeks
I	28	5		9	42	Pedagogic	2/3	2
II	26	5	2	9	42			

**Plan of Educational process**

Code	Educational components	Distribution for terms (semesters)				ECTS Credits	Number of hours				
		Exams	Final tests	Individual task	Module test		Total	Lectures/practical lessons	Laboratory	Self-study	
1	2	3	4	5	6	7	8	9	10	11	12
<b>1. Normative components</b>											
<b>1.1. Subjects for Owinging General Scientific (Philosophical) Competencies (min 6 credits)</b>											
GO 1	Philosophical principles of scientific activity	2	1	2	1	6	180	31	49	0	100
total number of part 1.1		1	1	1	1	6	180	31	49	0	100
<b>1.2. Subjects for Gaining Language Competencies (min 6 credits)</b>											
GO 2	Foreign language for scientific activity	2	1	1	2	6	180	0	76	0	104
total number of part 1.2		1	1	1	1	6	180	0	76	0	104
<b>1.3. Subjects for Gaining Deep Knowledge on Speciality (min 12 credits)</b>											
PO 1	Theoretical aspects of reproduction by printing means	1				2	60	13		13	34
PO 2	System analysis of publishing and printing production	4				2	60	18		18	24
PO 3	Scientific bases of materials quality assurance for publishing and printing productions	3				2	60	13		20	27
PO 4	Problem-oriented means of management, evaluation, control of the processes of publishing and printing production	4				2	60	18		18	24
PO 5	Technological quality assurance and operational properties of printing equipment parts	2				2	60	9		18	33
PO 6	Theoretical foundations of laser technology in printing	3				2	60	8		18	34
total number of part 1.3		6				12	360	79	0	105	176
<b>Subjects for Gaining Universal Competencies of Researcher (min 6 credits)</b>											
GO 3	Organization of scientific and innovative activities		3			4	120	13	13		94
GO 4	Pedagogic Practice*		3			2	60				60
total number of part 1.4			2			6	180	13	13		154
<b>TOTAL of NORMATIVE educational components</b>		<b>8</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>30</b>	<b>900</b>	<b>123</b>	<b>138</b>	<b>105</b>	<b>534</b>
<b>2. Elective components (min 25 % of total credits)</b>											
PS 1	Educational component 1 of the F-Catalog	3				5	120	13		13	94
PS 2	Educational component 2 of the F-Catalog	4				5	120	18		18	84
<b>TOTAL of ELECTIVE educational components</b>		<b>2</b>				<b>10</b>	<b>240</b>	<b>31</b>	<b>0</b>	<b>31</b>	<b>178</b>
<b>TOTAL</b>		<b>10</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>40</b>	<b>1140</b>	<b>154</b>	<b>138</b>	<b>136</b>	<b>712</b>

GO - General Obligatory; PO - Professional Obligatory; PS - Professional Selective

**II. Scientific component**

YEAR	The content of the graduate student's scientific work	Forms of control (Reporting)
1st year	Choice and substantiation of the topic of own scientific research, determination of the content, terms of performance and volume of scientific works; selection and substantiation of the methodology of conducting own research, review and analysis of existing views.	Approval of the individual plan of the graduate student's work at the academic council of the institute / faculty, reporting on the progress of the individual graduate student's plan twice a year
2nd year	Conducting under the guidance of the supervisor own research, which involves solving research problems through the use of a set of theoretical and empirical methods. Preparation and publication of at least 1 article in scientific professional publications.	Reporting on the progress of the individual graduate student's plan twice a year
3rd year	Analysis and generalization of the obtained results of own scientific research; substantiation of scientific novelty of the obtained results, their theoretical and / or practical significance. Preparation and publication of at least 1 article in scientific professional publications.	Reporting on the progress of the individual graduate student's plan twice a year
4th year	Registration of scientific achievements of the post-graduate student in the form of the dissertation, summing up concerning completeness of coverage of results of the dissertation in scientific articles according to the current requirements. Implementation of the obtained results and receipt of supporting documents.	Reporting on the progress of the individual graduate student's plan twice a year. Providing an opinion on the scientific novelty, theoretical and practical significance of the dissertation results.

Head of the Technology of Printing Production Department /T. A. Roik/

Head of the Reprography Department /E. V. Shtefan/

