S Y L A B U S

Course unit title:	Course unit code:
Protection of intellectual property (prawo autorskie w pracy naukowej) (BASIC MODULE)	**SD_6**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 2 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	2	wykład	10	E	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**PhD student has knowledge and skill to analyse the basic issues of the copyright and industrial property law.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student knows and understands basic concepts and principles of the protection of industrial property and of copyright and the need for intellectual property management.**	**SD_W06**
skills	**1**	**EP2**	**PhD student uses acquired knowledge in his activity.**	**SD_U05**
social competences	**1**	**EP3**	**PhD student is convinced of importance of behaving in professional manner and obeying rules of professional ethics.**	**SD_K06 SD_K08**

No.	CONTENT	No. of hours
Form of the course: **wykład**		
1	**Introduction to intellectual property law.**	1
2	**The scope of the act of 4 February 1994 on copyright and related rights.**	1
3	**The subject of copyright.**	1
4	**The content of copyright.**	2
5	**The duration of author's economic rights.**	1
6	**The transfer of author's economic rights.**	1
7	**The protection of author's moral and economic rights; criminal liability.**	1
8	**The scope of the act of 30 June 2000 on law of industrial property.**	1
9	**Inventions, utility models and industrial models, trademarks and geographical indications.**	1

Modes of delivery	**Problem lecture, discussion**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3**
Grading criteria	**The grade for the subject is the grade obtained from the test.**	

Basic reading	ed. Rosati E. (2021): The Routledge Handbook of EU Copyright Law, London-New York
	Act of 30 June 2000 on law of industrial property
	Act of 4 February 1994 on copyright and related rights
Supplementary reading	

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**0**
Private reading and studying	**5**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**0**
Preparation for test / exam	**8**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Ethics in science (etyka w nauce) (BASIC MODULE)	**SD_32**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 1 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	1	wykład	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Instructing doctoral students with ethical rules of research practices.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Knows the ethical restrictions on the conduct of research by scientific institutions and individual researchers, the principle of responsibility to research objects and collaborators, the prohibition of fabrication of data or any comission of inconvenient data.**	**SD_W04 SD_W07**
	2	**EP2**	**Knows the ethical principles of reviewing research projects or results (the principle of avoiding conflicts of interest and the double blind reviewing).**	**SD_W07**
	3	**EP3**	**Knows the ethical principles of dissemination of scientific results, the contexts of the appearance of plagiarism, self-plagiarism,ghostwriting, honorary authorship, the principles of using scientificauthority in relations with the public.**	**SD_W04 SD_W06**
skills	**1**	**EP4**	**Can apply the principles of research ethics to their own research project.**	**SD_U05**
	2	**EP5**	**Can recognize the serious misconduct in scientific procedures and apply the procedure for reporting scientific dishonesty.**	**SD_U03**
	3	**EP6**	**Is able to publish with respecting authorship.**	**SD_U07**
social competences	**1**	**EP7**	**Understands the need to take care of the credibility of scientific institutions.**	**SD_K06**
	2	**EP8**	**Is ready to counteract violations of ethics in science.**	**SD_K06**
	3	**EP9**	**Understands the need for continuous improvement of ethical rules in academia.**	**SD_K06**

No.	CONTENT	No. of hours
Form of the course: **wykład**		
1	**Ethics of scientific research (obligation to archive data, responsibility to such objects of research as people, organisms, environment, cultural property; responsibility for the safety of colleagues; the phenomenon of fabrication and falsification of data).**	2
2	**Ethics of scientific evaluation and reviewing (confidentiality of reviewing, fairness of evaluation, avoidance of courtesy reviews and conflict of interest in the selection of reviewers or use of the double-blind review).**	2
3	**Ethics of dissemination of scientific results (the phenomenon of plagiarism, self-plagiarism, ghostwriting, honorary authorship, rules for using scientific authority in public statements.**	2
4	**Serious misconduct and the procedure for reporting it (fabrication and falsification of data, plagiarism, drafting of unreliable reviews or evasion of opinion, unwarranted citation, ghostwriting, honorary authorship, harassment and discrimination against students and colleagues, failure to report detected misconduct, covering up misconduct, retaliation against whistleblowers.**	4

Modes of delivery	**Lecture supported by multimedia presentation.** **In the implementation of the course, the use of artificial intelligence is determined by the instructor in accordance with the best practices and standards of the University of Szczecin. The instructor informs doctoral students about the scope and possibilities of using AI during the first class, indicating the catalog of tools or applications, tailored to the learning outcomes and teaching needs and opportunities within a given subject.**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	KOLOKWIUM	**EP1,EP2,EP3,EP4,EP5,EP6,EP7,EP8,EP9**
Grading criteria	**Written credit for lecture content and basic reading. Written credit based on open questions of lecture and basic literature. Student has to obtain more than 50% among all possible points to get. Rating scale from 2 to 5.**	
Basic reading	(2020): The Code of Ethics for Researchers. III ed. Warsaw, Polish Academy of Sciences	
	(2017): The European Code of Conduct for Research Workers. Revised Edition. , Allea - All European Academics, Berlin	
Supplementary reading	Wachira M., Moejes F.W., Mutiso R.M (2021): Ethics in Research: Dos and Don'ts, Mawazo Learning Institute	

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**4**
Private reading and studying	**5**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**0**
Preparation for test / exam	**4**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Bibliometrics and bibliography managers (bibliometria i menedżery bibliografii (BASIC MODULE)	**SD_1**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 1 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	1	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The goal is to introduce doctoral students with the basic notions of bibliometrics and with bibliography managers. Some key skills and tools necessary in the contemporary research are to be discussed.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Doctoral student knows capabilities, scopes and limitations of usage of bibliometrics and of science metrics in the scientific work**	**SD_W01**
	2	**EP2**	**Doctoral student knows bibliometric tools**	**SD_W01**
skills	**1**	**EP3**	**Doctoral student can analyze, methodize and archive bibliometric information necessary for scientifical work**	**SD_U03 SD_U05**
	2	**EP4**	**Doctoral student can use bibliography managers**	**SD_U03 SD_U05**
social competences	**1**	**EP5**	**Doctoral student can work both independently and in a group while preparing scientific manuscript using bibliometric tools**	**SD_K02**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Introduction to bibliometrics.**	2
2	**Bibliometric indicators.**	2
3	**Bibliographic databases.**	2
4	**MS Office bibliography managers.**	2
5	**LaTeX bibliography managers.**	2

Modes of delivery	**Multimedia presentation, practical testing of bibliometric tools (bibliographic databases, bibliography managers).**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5**
Grading criteria	**Preparation of the individual project, the profile promoting own research activity in the area the dessirtation is being prepared**	

Basic reading	
Supplementary reading	Fenner M. (2010): Reference management mee ts Web 2.0. Cell Ther Transplant
	Wouters P. F. (1999): The citation culture (PhD Thesis thesis), Royal Netherlands Academy of Arts and Sciences, Amsterdam, Netherlands

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**4**
Private reading and studying	**5**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Research methodology (metodologia badań naukowych) (RESEARCH MODULE)	**SD_10**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 2 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	2	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The aim of the course is to improve competence in methodology of scientific research with particular emphasis on qualitative and quantitative research skills. This course guides PhD students through the successive phases of writing a sound research proposal that prepares them for writing a dissertation in the field of business and economics analysis and system dynamics modelling in particular. In an interactive setting, the various elements of a research proposal will be prepared, discussed and provided with methodological feedback.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student knows and understands the basic terms used in the methodology of sciences.**	**SD_W01**
	2	**EP2**	**PhD student knows and understands basic problems and research approaches in related scientific disciplines.**	**SD_W02**
	3	**EP3**	**PhD student knows and understands the principles of research approaches, methods and research techniques used in their own discipline.**	**SD_W03**
skills	**1**	**EP4**	**PhD student is able to identify research problems in their own discipline and adapt approaches, methods and research techniques to them.**	**SD_U01**
	2	**EP5**	**PhD student can answer a methodological question related to his own discipline, identify research problems and adapt approaches, methods and research techniques to them.**	**SD_U01 SD_U03 SD_U05**
	3	**EP6**	**PhD student is able to propose an original and innovative approach, method or research technique in his own discipline.**	**SD_U04**
social competences	**1**	**EP7**	**PhD student is able to critically assess the approaches, methods and research techniques planned in his own PhD student project, pointing to the advantages and weaknesses.**	**SD_K01**
	2	**EP8**	**PhD student can indicate the universal importance of his own discipline and new research perspectives.**	**SD_K04**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Science & scientific research – theoretical foundations.**	1
2	**Research process in scientific practice.**	1
3	**Main research methods and data types in science.**	2
4	**Qualitative research – theory and practical training.**	3
5	**Quantitative research – theory and practical training.**	3

Modes of delivery	**Preparation of a written answer in the form of an essay to the methodological questions asked by the teacher of the course, related to his own research project.**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PRACA PISEMNA/ ESEJ/ RECENZJA	**EP1,EP2,EP3,EP4,EP5,EP6,EP7,EP8**
Grading criteria	**Active participation in the classes 0-2 points. Preparing an essay 0-3 points. Points scored are added up. 0-2 points - insufficient,** **3 points - sufficient,** **4 points - good,** **5 points - very good.**	
Basic reading	Akotia J., Awuzie B. O., Egbu C. O. (Eds.) (2023): Mixed Methods Research Design for the Built Environment. , Routledge	
	Dubey U. K. B., Kothari D. P. (2022): Research methodology: Techniques and trends. , Chapman and Hall/CRC	
	Thomas C. G. (2021): Research Methodology and Scientific Writing., Springer International Publishing	
Supplementary reading	Bryman A. (2021): Social Research Methods 6th edition., Oxford University Press, Oxford, UK	
	Creswell J. (2022): Research Design: Qualitative, Quantitative, and Mixed Methods Approaches, 6th edition. , Thousand Oaks, CA: Sage Publications	

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**0**
Private reading and studying	**6**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**7**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Funding of scientific research (finansowanie badań naukowych) (RESEARCH MODULE)	**SD_7**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 2 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	2	wykład	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Familiarizing doctoral students with the basic principles of managing research projects, writing research proposals. Gaining abilities in national and international sources of funding for scientific research, with particular emphasis on programs targeted at early-stage researchers. Preparing doctoral students to critical thinking and acting enterprisingly, creating new ideas and searching for innovative solutions and to take risks and intelectual challenges in scientifical and public space.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Is familiar with national and international sources of funding for scientific research.**	**SD_W07**
	2	**EP6**	**Knows the basic metodology of preparation of research funding process.**	**SD_W07**
	3	**EP7**	**Has knowledge about technics, tools and creative methods in preparing fundig research projects.**	**SD_W03**
skills	**1**	**EP2**	**Formulates the basic conclusions necessary for preparing a research funding proposal.**	**SD_U08**
	2	**EP3**	**Adapts the planned source of funding to the scope of the planned research.**	**SD_U11**
social competences	**1**	**EP4**	**Demonstrates independence in shaping their career path.**	**SD_K07**
	2	**EP5**	**Is ready to develop and enhance their qualifications in line with the current requirements of the job market.**	**SD_K01**

No.	CONTENT	No. of hours
Form of the course: **wykład**		
1	**What is a research project? Elements of a project proposal. An overview of selected project management methodologies.**	3
2	**Polish sources of funding for scientific research for individuals starting their academic careers.**	4
3	**International sources of funding for scientific research for individuals starting their academic careers.**	3

Modes of delivery	**A lecture in the form of a multimedia presentation based on an original script.**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3,EP4,EP5,EP6,EP7**
Grading criteria	**Written test (open and closed questions). Activity at lectures, written test, achieving 51% of the points on the test allows for passing the course.** **50% or less than 50% points - 2,0**	

	- at least 51% points - 3,0 **- at least 61% points - 3,5** **- at least 71 % points - 4,0** **- at least 81% points - 4,5** **- at least 91% points - 5,0.**
Basic reading	Friedland, A.J., Folt, C.L., Mercer, J.L. : Writing successful science proposals., Yale University Press, New Haven & London, 288 p.
	Karsh, E. & Fox, A.S. : The only grant-writing book you'll ever need. , Basic Books, 448 p
Supplementary reading	George Thomas C. : Research Methodology and Scientific Writing. , Springer Nature Switzerland AG, 640 p
	PRINCE2 ® 7 Managing Successful Projects. PeopleCert, 347 p.

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**4**
Private reading and studying	**5**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**0**
Preparation for test / exam	**4**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Research work at the university (praca naukowa na uczelni wyższej) (RESEARCH MODULE)	**SD_8**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 2 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	2	wykład	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**International sources of funding for scientific research of individuals starting their academic careers.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Characterises and understands the basic legal acts in the university.**	**SD_W02**
	2	**EP2**	**Knows the rules of practising science and other duties of a university employee.**	**SD_W03**
skills	**1**	**EP3**	**Is able to establish and undertake scientific cooperation in research teams, including international ones.**	**SD_U04 SD_U10**
social competences	**1**	**EP4**	**Is aware of the role of an academic employee in the modern world.**	**SD_K03**

No.	CONTENT	No. of hours
Form of the course: **wykład**		
1	**The model of higher education in Poland.**	2
2	**Evaluation of the quality of scientific activity.**	2
3	**University of Szczecin - organisational dimension.**	2
4	**University of Szczecin - the process dimension.**	2
5	**Academic researcher: organisational, teaching and popularisation responsibilities.**	2

Modes of delivery	**Lecture with elements of conversation**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3,EP4**
Grading criteria	**Written test. Activity in classes and passing a written test in the form of open and closed questions.**	
Basic reading	Law on higher education and science :	
	Ordinances and regulations, as well as sample instructions :	
	Statutes and regulations of selected universities :	

Supplementary reading	Academic Forum :
	University Review :

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**0**
Private reading and studying	**5**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**0**
Preparation for test / exam	**6**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Individual Research Plan - theory and practice (Indywidualny Plan Badawczy - teoria i praktyka) (RESEARCH MODULE)	**SD_2**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 1 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	1	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Preparing doctoral students to effective and rational planning of each steps in writing ambitious Individual Research Plan. Doctoral students during the classes gain abilities in scope of planning activities related to work over their IRP in periods of time.**
Prerequisites	**none**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**The PhD student knows the assumptions of the scientific project, on the basis of which the elements of the IRP are created.**	**SD_W04**
	2	**EP2**	**The PhD student understands the methodology used in his/her scientific discipline.**	**SD_W04 SD_W05**
	3	**EP3**	**The PhD student understands raising funds for research.**	**SD_W08**
skills	**1**	**EP4**	**The PhD student plans research in his/her discipline.**	**SD_U02**
	2	**EP5**	**The PhD student is able to accurately formulate the purpose of his/her research.**	**SD_U02**
	3	**EP6**	**The PhD student is able to present his/her research.**	**SD_U08**
social competences	**1**	**EP7**	**The PhD student is aware of the critical assessment of his/her scientific achievements.**	**SD_K02**
	2	**EP8**	**The PhD student is aware of the role of the researcher in the world.**	**SD_K03**
	3	**EP9**	**The PhD student is ready to share the results of scientific research with a wider audience.**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Individual research plan - assumptions and legal basis.**	2
2	**Critical analysis of sample IRPs.**	2
3	**Practical tips for writing a good IRP.**	2
4	**IRP writing in the context of the mid-term evaluation.**	4

Modes of delivery	**Teamwork, individual and focused discussion.**
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5,EP6,EP7,EP8,EP9**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5,EP6**
Grading criteria	**Attendance at classes, writing an IRP project**	
Basic reading	Castelló M., Pardo M., Sala-Bubaré A., Sue-Soler N. (2017): Why do students consider dropping out of doctoral degrees ? , Institutional and personal factors, Higher Education, 74(6)	
	Act on Higher Education and Science of 20 July 2018 (Dz.U.poz.1668)	
Supplementary reading	Horta H., Cattaneo M., Meoli M. (2018): PhD funding as a determinant of PhD and career research performance, Studies in Higher Education, 43(3)	
	Linnenluecke M.K., Marrone M., Singh A.K. (2020): Conducting systematic literature reviews and bibliometric analyses, Australian Journal of Management, 45(2), Australia	
	Regulations of the Doctoral School US	

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**5**
Private reading and studying	**2**
Participation in tutorials	**3**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Research project (projekt naukowy) (RESEARCH MODULE)	**SD_26**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 1 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	1	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Familiarizing doctoral student with writing of scientifical projects. Gaining abilities to prepare and deliver applications to NCN. Classes prepare doctoral students to critical thinking and scientifical acting in independent, creative and enterprising way.**
Prerequisites	**Basic knowledge of metology of research.**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student knows how to publish results of research in scientific journals.**	**SD_W01 SD_W03**
	2	**EP4**	**PhD student knows types of scientific competitions (expecially for young researchers).**	**SD_W07**
	3	**EP5**	**PhD student knows projects assessment process.**	**SD_W07**
skills	**1**	**EP2**	**PhD student can publish results of research in scientific journals.**	**SD_U03 SD_U05**
	2	**EP6**	**PhD student can specify main and detailed goals of prepared project.**	**SD_U02**
	3	**EP8**	**PhD student has ability to interact with journal editors.**	**SD_U04 SD_U08**
social competences	**1**	**EP7**	**Phd student can evaluate own and applications of collegues.**	**SD_K01**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Locating your project within an existing field of scientific research and indicating the gap or research niche.**	1
2	**Discussing details of a written assignment (manuscript prepared for a journal).**	1
3	**Drafting the introduction and materials and methods sections.**	1
4	**Drafting the Results and Discussion.**	2
5	**Matching the article contents with the title; Drafting the abstract.**	2
6	**Discipline-specific concerns (examples and discussion).**	1
7	**Avoiding plagiarism.**	1
8	**Discussion on written assignments.**	1

Modes of delivery	**Presentation, discussion, working with OSF system.**
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP4,EP5,EP6,EP7,EP8**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP4,EP5,EP6,EP7,EP8**
Grading criteria	**The condition for obtaining a positive assessment is the preparation of a Preludium application and presentation of the main assumptions**	
Basic reading	Subhash Chandra Parija, Vikram K. (2018): Writing and publishing a scientific research paper., Springer Verlag, Singapore, 195 pp.	
	The University of Chicago Press Editorial Staff (2024): The Chicago manual of style, 18th Edition, University of Chicago Press	
	Council of Science Editors, Style Manual Task Force. (2024): The CSE manual: scientific style and format for authors, editors, and publishers. 9th ed. , Council of Science Editors in cooperation with The University of Chicago Press	
Supplementary reading		

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**2**
Private reading and studying	**2**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**10**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Preparation and critical analysis of scientific research papers (przygotowanie tekstów naukowych i krytyczna analiza tekstów) (RESEARCH MODULE)	**SD_29**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 1 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	1	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**To familiarize doctoral students with the principles of scientific writing and prepare them for critical analysis of scientific texts. During this classes doctoral students gain abilities to create their own scientific activities.**
Prerequisites	**Good command of English (at least B2 level)**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**knows and understands the general issues specific to the field (in which he conducts scientific research) enabling him/her to prepare a scientific text.**	**SD_W01**
	2	**EP2**	**knows the latest theories, research methodology, principles and concepts of the field and discipline enabling him to write a scientific text.**	**SD_W03**
skills	**1**	**EP3**	**can independently articulate the stages of the research process by defining its components indispensable for writing a scientific text in a given discipline.**	**SD_U02**
	2	**EP4**	**is able to critically analyze, synthesize and interpret the results of scientific research.**	**SD_U03**
	3	**EP7**	**has the ability to prepare and analyze texts scientific in English.**	**SD_U09**
social competences	**1**	**EP5**	**demonstrates critical judgment regarding the review of the literature in the discipline he/she represents and recognizes the importance of critical thinking in conducting scientific work.**	**SD_K03**
	2	**EP6**	**He/she is ready to disseminate his own scientific activities.**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Basic components of a scientific publication.**	2
2	**Literature review methods and critical analysis.**	4
3	**Methodological component in writing a scientific paper.**	2
4	**Writing and disseminating of research results.**	2

Modes of delivery	**Group discussion using BG (Main Library) databases and case studies. As part of the course delivery, the use of artificial intelligence is determined by the course instructor in accordance with the best practices and standards of the University of Szczecin. The instructor shall inform doctoral students about the scope and possibilities of using AI during the first classes, indicating a catalog of tools or applications, adapted to the learning outcomes and teaching needs and opportunities in the course.**
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5,EP6,EP7**
Grading criteria	**Individual project. A credit consisting of an individual project aimed at preparing a scientific text on the basis of a critical analysis of the literature of the Doctoral Student discipline, and a presentation of the this project**	
Basic reading	Gastel B. and Day R. A. (2016): How to Write and Publish a Scientific Paper, California	
	Mack A. C. (2018): How to Write a Good Scientific Paper, SPIE, USA	
Supplementary reading		

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**2**
Private reading and studying	**2**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**6**
Preparation for test / exam	**2**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Teaching design and planning: EQF and PRK (projektowanie i planowanie pracy dydaktycznej: EQF i PRK) (TEACHING MODULE)	**SD_30**

Faculty / Department providing the course / module:
Biuro Szkoły Doktorskiej US

Course / module status:	Language of instruction:
obligatory	**semester: 1 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	1	ćwiczenia	10	E	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Learning and understanding theoretical assumptions, skills in planning and designing didactic work, and shaping attitudes of openness towards plans and programs of formal and non-formal education.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**knows and understands the sources, objectives, and structure of the European Qualifications Framework and the Polish Qualifications Framework; knows the basic terminology used in formal documents.**	**SD_W05**
	2	**EP2**	**knows the principles of designing a study plan and program for a specific field of study, the structure of the syllabus and determining the workload of students while maintaining the principles of methodology and teaching methodology, including the use of modern technologies in education.**	**SD_W06**
skills	**1**	**EP3**	**is able to design learning outcomes for a selected subject at the 6th, 7th and 8th level of the Polish Qualifications Framework using modern educational resources and AI.**	**SD_U06**
	2	**EP4**	**is able to design methods for verifying learning outcomes for a selected subject at PQF level 6 and 7 using the potential of digital media.**	**SD_U11**
social competences	**1**	**EP5**	**is aware of the individual and institutional role in promoting the principles of lifelong learning and is therefore ready to fulfil social obligations and initiate necessary actions.**	**SD_K03**
	2	**EP6**	**is aware of the obligation to creatively search for answers to contemporary challenges individually and collectively and to shape patterns of attitudes towards new phenomena and problems in the process of formal and non-formal education.**	**SD_K06**
	3	**EP7**	**is ready to responsibly engage in the implementation of designing and verifying learning outcomes in the formal and non-formal education system and popularization activities while respecting the subjectivity of the interaction participants.**	**SD_K06**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Premises (EHEA/EOE), essence and specificity of CBHE (Competencies Based Higher Education) Didactic planning and design - program and plan of academic education.**	2
2	**The subject of didactic planning and design: objectives, tasks, content, methods, means, time and space.**	2
3	**Learning outcomes in didactic planning (EQF and PQF).**	2
4	**Self study, problem-solving learning, experiential study, its roles in didactic planning and design.**	2
5	**Planning and designing the control and evaluation of learning outcomes.**	2

Modes of delivery	**Text analysis, discussion, exercises.**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	EGZAMIN PISEMNY	**EP1,EP2,EP3,EP4,EP5,EP6,EP7**
Grading criteria	**Project of the chosen teaching subject with using of ICT and AI. Project of lecture for nonprofessional audience. For A (5,0): activity during classes, preparation of a class project for a selected subject, preparation of a lecture/exercise project for a non-professional audience; For B (4,0) activity during classes, and or preparation of a class project for a selected subject, or preparation of a lecture/exercise project for a non-professional audience; For C (3,0) or preparation of a class project for a selected subject, or preparation of a lecture/exercise project for a non-professional audience.**	
Basic reading	Illeris K. (2018): Contemporary Theories of Learning	
	White S., Dhillon S. (2024): We need to talk about AL: has academic literacies designed the pedagogy out of learning development?, Journal of Learning Development in Higher Education ISSN: 1759-667X Issue 31 September 2024	
	(2024): The European Higher Education Area in 2024: Bologna Process Implementation Report	
	The European Qualifications Framework: supporting learning, work and cross-border mobility	
Supplementary reading		

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**2**
Private reading and studying	**3**
Participation in tutorials	**3**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**1**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Digital media in academic education (media cyfrowe w edukacji akademickiej) (TEACHING MODULE)	**SD_9**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 2 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	2	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Understanding the diverse ways of influencing and utilizing digital media. Shaping a critical attitude towards media messages and their impact on individuals. Encouraging critical approaches to the intentional use of media across generations.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**understands the principles and methodology of conducting educational activities, including the use of modern educational technologies**	**SD_W05**
skills	**1**	**EP2**	**is able to apply modern teaching methods and techniques to conduct educational activities and professional training**	**SD_U06**
	2	**EP3**	**can communicate information and opinions on key issues in their scientific discipline in an accessible and comprehensible manner to the public.**	**SD_U07**
social competences	**1**	**EP4**	**is aware of the duty to creatively seek solutions to contemporary challenges and shape attitudes towards new phenomena and problems.**	**SD_K04**
	2	**EP5**	**is ready to engage in the implementation of educational and outreach activities, respecting the individuality of interaction participants.**	**SD_K05**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Diagnosing multimedia communication and digital media in academic education – reflection on the issue – where have we come from, where are we heading.**	2
2	**Photography, microphone, and camera as tools for discovering, understanding, and experiencing reality. Historical overview, the present, and future predictions.**	2
3	**Sources of value in media messages – media messages in native and regional culture (traditions, customs, rituals) – the era of fake news and post-truth.**	2
4	**Artificial Intelligence – a tool or an agent? A reference to science and pop culture.**	2
5	**Presentations of selected digital tools in academic education.**	2

Modes of delivery	**Expository: demonstration.** **Activating: discussion, debate, problem-based method, project-based method.**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	KOLOKWIUM	**EP1,EP2,EP3,EP4,EP5**
Grading criteria	**COLLOQUIUM. Multimedia presentation, graded pass**	

Basic reading	Georgakopoulou A. and Spilioti T. (ed.) (2020): The Routledge handbook of language and digital communication., Routledge, New York
	Piecuch A. (2020): Media cyfrowe wspierające procesy dydaktyczne., Wydawnictwo Uniwersytetu Rzeszowskiego, Rzeszów
Supplementary reading	Takke J. and Paulsen M. (2022): A New Perspective on Education in the Digital Age: Teaching, Media and Bildung., Bloomsbury Academic, London

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**3**
Private reading and studying	**3**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**4**
Preparation for test / exam	**3**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
The role of tutoring in teaching process (rola tutoringu w procesie kształcenia) (TEACHING MODULE)	**SD_27**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
obligatory	**semester: 2 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
1	2	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The aim is to deepen knowledge, skills and social competences in scope of tutoring as the individualized form of teaching pointed for intellectual development of each participant, with support in shaping his teaching path.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Knows the methodology of conducting didactic practice and verification of implementing the modern teaching technics.**	**SD_W05**
	2	**EP2**	**Knows and understands methods of improving own research and didactic workshop.**	**SD_W08**
skills	**1**	**EP3**	**Can use properly methods and technics of self development in the area of conducting researches and classes.**	**SD_U06 SD_U11**
social competences	**1**	**EP4**	**Is ready for creative solving of didactic and scientific problems.**	**SD_K06**
	2	**EP5**	**Is ready to use innovative solutions for scientifical development.**	**SD_K07**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Tutoring and tutor. Tutoring process and its kinds.**	1
2	**Tutoring, coaching, mentoring – differences and similarities.**	1
3	**Foundation and sources of tutoring. Master and student relation.**	1
4	**Specification of tutor work. Tutor's teaching process.**	1
5	**Tutoring implementation - necessary sources and actions.**	1
6	**School tutoring. Academical tutoring.**	1
7	**Tutoring in non-governmental organizations and social projects.**	1
8	**Working methods used in tutoring. Case study.**	3

Modes of delivery	**Lecture, discussion, staging**
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	PRACA PISEMNA/ ESEJ/ RECENZJA	**EP1,EP2,EP3,EP4,EP5**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5**
Grading criteria	**Condition for obtaining credit is to deliver the essay (15.000 characters with spaces). Two subjects to choose from: 1. Possibilities of implementing tutoring in my research development. 2. Using tutoring in work with people with special needs. From written work student can obtain max 10 points. 50% or below 50% points - 2,0 at least 51% points -3,0 at least 61% points - 3,5 at least 71% points - 4,0 at least 81% points - 4,5 at least 91% points - 5,0.**	
Basic reading	Biwer F., Oude Egbrink M. G., Aalten P., de Bruin A. B. (2020): Fostering effective learning strategies in higher education–a mixed-methods study., Journal of Applied Research in Memory and Cognition, 9(2), 186-203.	
	Buckingham M. (2017): Go Put Your Strengths to Work: 6 Powerful Steps to Achieve Outstanding Performance.	
	Covey S. S. (2006): The 7 Habits Of Highly Effective People.	
	Frey N., Fisher D., Almarode J. (2021): How tutoring works: Six steps to grow motivation and accelerate student learning., Corwin Press	
	Wakelin E. (2023): Personal tutoring in higher education: An action research project on how to improve personal tutoring for both staff and students. , Educational Action Research, 31(5), 998-1013.	
Supplementary reading		

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**2**
Private reading and studying	**3**
Participation in tutorials	**0**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**5**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Commercialisation of scientific research (komercjalizacja wyników badań naukowych) (RESEARCH MODULE)	**SD_46**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The principle course objective is to get an understanding of how scientific results can be commercialised and acquainted with the forms of commercialization of scientific research results and their formal, legal and market conditions.**
Prerequisites	**none**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**The PhD student knows conditions of successful research results commercialization**	**SD_W06 SD_W08**
	2	**EP2**	**The PhD students understands the sources of commercial value of scientific research**	**SD_W06 SD_W08**
skills	**1**	**EP3**	**The PhD student is able to assess the commercial value of research results**	**SD_U11**
	2	**EP4**	**The PhD student is able to present research results, and participate in a discussion**	**SD_U08**
social competences	**1**	**EP5**	**The PhD student is ready to critically asses his/her research in terms of their impact in solving socio-economic problems**	**SD_K01 SD_K07**
	2	**EP6**	**The PhD student is ready to share his/her research results with others, taking into account their commercial value**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**The role and importance of scientific research in socio-economic development**	2
2	**Conditions of successful research results commercialization**	4
3	**Commercial value of scientific research**	4

Modes of delivery	**The mode of delivery is literature based discussion and project focused work in groups**
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5,EP6**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5,EP6**

Grading criteria	**.**
Basic reading	Jolly V. (1997): Commercializing new technologies: Getting from Mind to Market,, Harvard Business School Press, Boston, Massachusetts.
	Trzmielak D.M., Ropęga J. (ed) (2013): Innovations and knowledge commercialization: cooperative resources, integrated science and business, Center for Technology Transfer UŁ
Supplementary reading	Łobacz K., Głodek P. (2020): Challenges and barriers of science and technology commercialisation at public universities: introducing a relation-based analytical framework, Proceedings of the 36th IBIMA Conference, Granada, Spain

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**3**
Private reading and studying	**5**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Internationalization of science (umiędzynarodowienie nauki) (RESEARCH MODULE)	**SD_44**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**By the end of the course PhD students will be able to increase and widen their understanding of the nexus between internationalization and science progress, label benefits and limits of international cooperation, demonstrate relationship between internationalization and academic entrepreneurship and assess the effectiveness of public policies in the area of international science**
Prerequisites	**-**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD Student knows the advantages and costs of international cooperation in science**	**SD_W06**
	2	**EP2**	**PhD Student knows how to plan academic career in international context**	**SD_W08**
skills	**1**	**EP3**	**PhD Student is able to identify and evaluate various possibilities of international cooperation**	**SD_U10**
social competences	**1**	**EP4**	**PhD Student independently carries out an assessment of net benefits of internationalization of research projects.**	**SD_K07**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Definitions of internationalization in science**	2
2	**Benefits and inhibitors of internationalization**	2
3	**Internationalization and academic entrepreneurship**	3
4	**Public policies fostering internationalization**	3

Modes of delivery	**Lectures, workshops, problem based learning**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PRACA PISEMNA/ ESEJ/ RECENZJA	**EP1,EP2,EP3,EP4**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4**
Grading criteria	**-**	
Basic reading	Huang, F., Finkelstein, M., & Rostan, M. (Eds.) (2013): The internationalization of the academy: Changes, realities and prospects (Vol. 10), Springer Science & Business Media	

Supplementary reading	Krabel, S., Siegel, D. S., & Slavtchev, V. (2012): The internationalization of science and its influence on academic entrepreneurship, The Journal of Technology Transfer, 37(2), 192-212
	Ponds, R. (2009): The limits to internationalization of scientific research collaboration, The Journal of Technology Transfer, 34(1), 76-94

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**5**
Preparation for contact hours	**2**
Private reading and studying	**2**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**2**
Preparation for test / exam	**2**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Popularization of science (popularyzacja nauki) (RESEARCH MODULE)	**SD_43**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The aim of the course is to familiarize students of doctoral studies with popularizing science as a key element in the scientific development of every scientist. Outlining the measurable effects of popularization for the researcher and recipients. Presentation of popularization of science as a mission important for society**
Prerequisites	**none**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**The PhD student knows forms of dissemination of science and knows the principles of transfer and commercialization of knowledge in other areas of human activity**	**SD_W06**
	2	**EP2**	**The PhD student knows and understands the need to acquire and conduct scientific projects**	**SD_W07**
skills	**1**	**EP3**	**The PhD student is able to provide the public with information and opinions on key issues related to their scientific discipline in a proper and commonly understandable way**	**SD_U07**
	2	**EP4**	**The PhD student is able to present the results of research and scientific concepts**	**SD_U08**
	3	**EP5**	**The PhD student establishes and undertakes cooperation in order to implement scientific projects (also interdisciplinary and international)**	**SD_U10**
	4	**EP6**	**The PhD student plans his scientific development and is aware of the social role in inspiring the development of other people**	**SD_U11**
social competences	**1**	**EP7**	**The PhD student is aware of the obligation to creatively seek answers to the challenges of the present and to shape attitudes towards new phenomena and problems**	**SD_K04**
	2	**EP8**	**The PhD student is involved in popularization of science**	**SD_K05**
	3	**EP9**	**The PhD student is ready to share the results of his research and popularize them (respecting the intellectual property rights)**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Popularization of science – advantages and difficulties**	2
2	**Important aspects of popularization - commercialization and internationalization, adaptation to the group of recipients, interdisciplinary and international projects. Open Access, Research Gate and other tools used in popularization**	5

3	**Promoting science as a test of creativity and quality of a scientist. Popularization of science as a social mission**	3

Modes of delivery	**- multimedia lectures** **- discussion** **- team work**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5,EP6,EP7,EP8,EP9**
	OPINIE W DZIENNIKU PRAKTYK	**EP1,EP2,EP3,EP4,EP5,EP6,EP7,EP8,EP9**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5,EP6,EP7,EP8,EP9**
Grading criteria	**Credit with a grade based on a project on how to popularize your own research**	
Basic reading	McDrury, J. and Alterio, M (2003): Learning Through Storytelling in Higher Education Using Reflection and Experience to Improve Learning, Kogan Page Ltd, London	
Supplementary reading	Redfern, J., Burdass, D. and Verran, J. (2015): Developing microbiological learning materials for schools: best practice, FEMS Microbiol Lett	
	Redfern, J., Burdass, D. and Verran, J. (2013): Transforming a school learning exercise into a public engagement event: the good the bad and the algae, J Biol Ed 47, 246– 252	
	Verran, J., Redfern, J., Moravej, H. and Adebola, Y. (2018): Refreshing the public appetite for 'good bacteria': menus made by microbes, J Biol Educ	

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**3**
Preparation for contact hours	**2**
Private reading and studying	**3**
Participation in tutorials	**0**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**2**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Principles of open science (zasady otwartej nauki) (RESEARCH MODULE)	**SD_47**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The overall learning objective of the course is to become familiar with the main concepts and benefits of the open science principles, along with practices for open data management and open access publishing. Additional learning objectives of the course are: Set up an open data sharing strategy to increase the research visibility Determine appropriate route to take when publishing an open access article Identify the benefits of Virtual Research Environments for sharing and using research data**
Prerequisites	**General knowledge of the discipline being studied**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student will learn the objectives, main concepts, and benefits of Open Source principles along with practices for open data management and open data sharing**	**SD_W06**
skills	**1**	**EP2**	**PhD Student will learn how to become a more visible, effective and impactful researcher by sharing research data and publications openly.**	**SD_U05**
social competences	**1**	**EP3**	**Phd Student will learn how to engage with citizens, how to communicate with stakeholders other than the academic scholarly community to facilitate a better user involvement and dissemination of research results.**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Introduction to Open Science**	2
2	**Research Data Management**	2
3	**Publishing Open Access**	2
4	**Increasing your Research Visability**	4

Modes of delivery	**Presentations, case studies and interviews.**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3**

Grading criteria	**60% - points from final graded assignment, 40% from 4 short quizzes made during lectures.**
Basic reading	Allen, C., & Mehler, D. M (2019): Open science challenges, benefits and tips in early career and beyond, PLoS biology, 17(5)
	Masuzzo, P., & Martens, L. (2017): Do you speak open science? Resources and tips to learn the language, PeerJ Preprints
	McKiernan, E. C., Bourne, P. E., Brown, C. T., Buck, S., Kenall, A., Lin, J., & Yarkoni, T. (2016): How open science helps researchers succeed
	Re Manning, F. (2016): Open Access Explained
	Wilkinson, M. D., Dumontier, M., Aalbersberg, I. J., Appleton, G., Axton, M., Baak, A., & Mons, B. (2016): The FAIR Guiding Principles for scientific data management and stewardship, Scientific data, 3(1), 1-9
Supplementary reading	Collins, S., Genova, F., Harrower, N., Hodson, S., Jones, S., Laaksonen, L., & Wittenburg, P. (2018): Turning FAIR into reality: Final report and action plan from the European Commission expert group on FAIR data
	Farnham, A., Kurz, C., Öztürk, M. A., Solbiati, M., Myllyntaus, O., Meekes, J., & Hettne, K. (2017): Early career researchers want Open Science, Genomebiology, 18(1), 1-4

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**2**
Private reading and studying	**4**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**3**
Preparation for test / exam	**2**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Publishing strategy (strategie publikacyjne) (RESEARCH MODULE)	**SD_45**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The main aim of the course is to show the PhD students the techniques which help them effectively publishing their results**
Prerequisites	**No particular requirements for participation in the course. However some experience of publishing would be helpfull**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student has knowledge about the dissemination of science to the broad scientific communit**	**SD_W06**
skills	**1**	**EP2**	**PhD student has the skill in the presentation of research results**	**SD_U05**
social competences	**1**	**EP3**	**PhD student can communicate with the scientific community**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**The environment for publishing**	1
2	**Data collecting – when to stop?**	1
3	**The appropriate journal choosing**	2
4	**Smoothed review process – why a smoothed paper is important?**	2
5	**The respond to reviewers – why being polite is important?**	1
6	**The rejection - the bread and butter of each of the scientist**	1
7	**The regulatory documents for the research Impact evaluation? – should we play in the game?**	2

Modes of delivery	**- multimedia lectures** **- discussion about student's actual and former manuscripts** **- team work (analysis of scientific papers)**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3**
Grading criteria	**Passing the oral test, discussion during the course**	
Basic reading	Barbara Gaster and Robert A. Day (2022): How to write and publish a scientific paper. , Ninth Edition. ABC-CLIO	
	Robert Adams Day (1998): How to write and publish a scientific paper, ORYX PRESS	

Supplementary reading	John Measey (2022): How to Write a PhD in Biological Science. A Guide for the Uninitiated, CRC Press Taylor & Francis Group. https://howtowriteaphd.org/

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**3**
Preparation for contact hours	**5**
Private reading and studying	**5**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**0**
Preparation for test / exam	**1**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Stylistics of a scientific statement (stylistyka wypowiedzi naukowej) (RESEARCH MODULE)	**SD_42**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The aim of the course is to introduce the PhD students to how to write in a proper style their research results in order to present and disseminate them in different media**
Prerequisites	**none**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD Student knows the principles of dissemination of the results of scientific activity, including in popularized form, and knows the basic principles of knowledge transfer to the social or economic sphere and commercialization of the results of scientific activity**	**SD_W06**
skills	**1**	**EP2**	**PhD student is able to write a scientific publication that will be accepted for review in a journal from the lists of the Ministry of Science and Higher Education or in the materials of an international conference or in the form of a book, and is able to transfer the results of his scientific activity to the socio-economic sphere**	**SD_U05**
	2	**EP3**	**PhD student is able to communicate to the public in an appropriate and commonly understood manner information and opinions on key issues related to his/her scientific discipline**	**SD_U07**
social competences	**1**	**EP4**	**PhD Student demonstrates critical judgment regarding the contribution of the results of his own research activity to the development of the discipline in which he is engaged in this activity, and recognizes the importance of knowledge in solving cognitive and practical problems**	**SD_K01**
	2	**EP5**	**PhD Student is ready to share and disseminate the results of scientific activity with others, taking into account the principles of intellectual property protection**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**General structure of a scientific document**	3
2	**General stylistic rules of a scientific document**	3
3	**Example of real proof corrections from a professional editorial stage of a scientific journa**	1
4	**Comparing different requirements from different fields of research**	1

5	**Different styles for different media**	2

Modes of delivery	**Lectures provided by multimedia computer presentations and/or using downloaded articles**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5**
Grading criteria	**Grades on written work/project**	
Basic reading	Stephen Bailey (2011): Academic Writing. A Handbook for International Students, Routledge Editor	
	Dr Marcel van der Perk (2015): A guide for scientific writing (Bachelor Earth Sciences), Utrecht University	
	Ecarnot F. Et al. (2015): Writing a scientific article: A step-by-step guide for beginners, European Geriatric Medicine 6 (2015) 573–579	
	Hilary Glasman-Deal (2010): Science Research Writing for non-native Speaker of English, Imperial College Press	
	(2017): Writing Scientific Manuscripts. A guide for undergraduates, Journal of Young Investigators	
Supplementary reading		

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**5**
Private reading and studying	**5**
Participation in tutorials	**0**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Collaborative Learning (wspólne uczenie się) (TEACHING MODULE)	**SD_49**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**acquisition of general knowledge about didactics process practicing collaborative learning by participants**
Prerequisites	**none**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student knows the latest theories, research methodology, principles and concepts in the field of didactics to a degree enabling the creation of new theories, concepts and research methodology**	**SD_W03**
skills	**1**	**EP2**	**PhD student has the ability to develop and apply original and creative methodological solutions, techniques and research tools in learning**	**SD_U04**
social competences	**1**	**EP3**	**PhD student is ready to think and act in an independent, creative and entrepreneurial way, shows initiative in creating ideas and searching for innovative solutions in research and learning**	**SD_K07**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**collective conduct of a research project**	10

Modes of delivery	**Power point presentation, dissusion**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3**
Grading criteria	**originality of the project (50%) knowledge of the method (50%)**	
Basic reading	Anne S. Goodsell (1992): Collaborative Learning: A Sourcebook for Higher Education, NCTLA	

Supplementary reading	Anne Moen, Anders I. Morch, Semi Paavola (2012): Collaborative Knowledge Creation. Practices, Tools, Concepts,, Sense Publishers
	Beau Fly Jones, Claudette M. Rasmussen, Mary C. Moffitt (1997): Real-Life Problem Solving. A collaborative Approach to Interdyscyplinary Learning, APA
	Edda Luzzatto, Giordano DiMarco (2010): Collaborative learning. Methodology, Types of Interactions and Techniques, NOVA
	Qureshi, M. A., Khaskheli, A., Qureshi, J. A., Raza, S. A., & Yousufi, S. Q. (2021): Factors affecting students' learning performance through collaborative learning and engagement., Interactive Learning Environments, 31(4), 2371–2391. https://doi.org/10.1080/10494820.2021.1884886
	Wężniejewska P., Szwabowski O., Szczepaniak C., Pławski, M. (2020): The praise of Collective Autoetnography, Cultural Studies, Critical Methodologies, 20(4), 336 - 349.

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**2**
Private reading and studying	**2**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**2**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Contemporary theories of learning (współczesne koncepcje osobowości) (TEACHING MODULE)	**SD_50**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Acquiring the knowledge of contemporary concepts of adult learning for the purpose of conscious, critical shaping of personal pedagogical theories**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Phd student knows and understands the sources and factors of choosing the methodology of teaching classes, including the use of modern technologies in education**	**SD_W05**
	2	**EP2**	**PhD student knows the principles of dissemination of scientific results, also in the popularized form according to the modern theories and knows the basic principles of transferring knowledge to the social or economic sphere and commercialization of the results of scientific activity**	**SD_W06**
skills	**1**	**EP3**	**PhD student is able to apply methods and techniques of teaching appropriate to the chosen theory and use them for different types of academic education and Lifelong learning**	**SD_U06**
	2	**EP4**	**PhD student is able to provide the public with information and opinions on key issues related to its scientific discipline in a proper and commonly understood manner**	**SD_U07**
social competences	**1**	**EP5**	**PhD student is aware of the obligation to creatively seek answers to the challenges of the present and shape attitudes towards new phenomena and problems as well as using of contemporary discoveries of pedagogical knowledge**	**SD_K04**
	2	**EP6**	**Phd student is ready to engage in the implementation of didactic and popularizing tasks while respecting the subjectivity of the interaction participants through using of contemporary pedagogical knowledge**	**SD_K05**
	3	**EP7**	**PhD student is willing to share the results of scientific activities with others and to disseminate them, taking into account the principles of intellectual property protection**	**SD_K05 SD_K08**

No.	CONTENT	No. of hours

Form of the course: **ćwiczenia**

1	**Sources of contemporary of learning theories; 21st Century skills**	2
2	**Activity theory of learning; activity – action – operation. Constructivism in education**	2
3	**Cognitive dissonance; resolving the conflict between reality and the student's value system through learning**	2
4	**Elaboration theories: shift from the teacher-centric to learner-centered education**	2
5	**A Learning Theory for the Digital Age**	2

Modes of delivery	**Discussion, flipped class**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PRACA PISEMNA/ ESEJ/ RECENZJA	**EP1,EP2,EP3,EP4,EP5,EP6,EP7**
	PREZENTACJA	**EP1,EP2,EP3,EP4,EP5,EP6,EP7**
Grading criteria	**.**	
Basic reading	Greg Light, Roy Cox, Susanna Calkins (2009): Learning and Teaching in Higher Education	
	Helen Gregory (2016): Learning theories	
	Knud Illeris (2018): Contemporary Theories of Learning, Second Edition	
Supplementary reading	Heather Fry, Steve Ketteridge, Stephanie Marshall (ed). (2009): Handbook for Teaching and Learning in Higher Education	
	Robert R. Mowrer (2001): Handbook of Contemporary Learning Theories	

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**5**
Private reading and studying	**0**
Participation in tutorials	**5**
Preparation of project / essay / etc.	**5**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Forms and methods of education and learning, methods of students work evaluation (formy i metody kształcenia i uczenia się, metody oceny pracy) (TEACHING MODULE)	**SD_51**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The course provides basic knowledge and skills on methods of teaching and learning as well as on main ways of students work assessment.**
Prerequisites	**-**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student knows and understands main methods (and methodology) of conducting academic lectures and classes.**	**SD_W05**
skills	**1**	**EP2**	**PhD students uses modern methods and techniques of conducting didactic classes.**	**SD_U06**
social competences	**1**	**EP3**	**PhD student gets engaged into educational processes with respect towards all the participants of the interaction.**	**SD_K05**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Models, methods and forms of education**	2
2	**Activating methods of teaching**	2
3	**Methods of teaching specific for higher education**	1
4	**Styles of learning. Mnemonics techniques. Types of intelligence and learning style. Dale's pyramid of memory**	3
5	**Methods of student work evaluation**	2

Modes of delivery	**Oral lectures**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	EGZAMIN USTNY	**EP1,EP2,EP3**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3**
Grading criteria	**Exam: points scale;** **trained lessons: grade concerning: using adequate method, respect towards listeners, using activating methods.**	
Basic reading	F. Bereźnicki (2001): Dydaktyka kształcenia ogólnego	
	F. Bereźnicki (2009): Zagadnienia dydaktyki szkoły wyższej	
	G. D. Borich (2016): Effective teaching methods: Research-Based Practice	
	W. Okoń (2016): Wprowadzenie do dydaktyki ogólnej	

Supplementary reading	B. Niemierko (2006): Ocenianie szkolne bez tajemnic
	D. Bernacka (2001): Od słowa do działania
	E. Kosińska (2000): Ocenianie w szkole. Krótki poradnik psychologiczny
	H. Hamer (2012): Klucz do efektywności nauczania. Poradnik dla nauczycieli
	K. Białek, K. Cyran (2013): Aktywne metody dydaktyczne – subiektywne kompendium. W: Wykładowca doskonały
	K. Wiczkowski (1994): Zza i sprzed katedry czyli jak oceniać sprawiedliwie
	M. Taraszkiewicz (2005): Metody aktywizujące proces uczenia się czyli jak uczyć lepiej
	M. Taraszkiewicz i C. Rose (2006): Atlas efektywnego uczenia się
	P. Burden, D. Byrd (2018): Methods for Effective Teaching: Meeting the Needs of All Students
	P. Kalina (1997): Mnemonika czyli sztuka kształcenia i wzmacniania pamięci
	T. Buzan (1997): Pamięć na zawołanie

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**1**
Preparation for contact hours	**0**
Private reading and studying	**5**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**2**
Preparation for test / exam	**5**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Voice care (emisja głosu) **(TEACHING MODULE)**	**SD_48**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	ćwiczenia	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The aim of the course is to acquaint the PhD student with the principles of effective speech production and relaxation techniques to avoid voice fatigue.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD Student knows the anatomy of speech organs, the principles of effective speech production and understands how to take care of the speech apparatus to avoid voice fatigue**	**SD_W08**
skills	**1**	**EP2**	**PhD Student can implement the principles of correct breathing, sounds production, intonation and relaxation techniques to effectively communicate with the environment and avoid straining the voice**	**SD_U07**
social competences	**1**	**EP3**	**A PhD student is creative in searching for improvement methods of voice care**	**SD_K04**
	2	**EP4**	**A PhD student is using the competence of voice care in his/hers didactic practise**	**SD_K05**
	3	**EP5**	**A PhD student is constantly trying to improve.**	**SD_K08**

No.	CONTENT	No. of hours
Form of the course: **ćwiczenia**		
1	**Posture, breathing and relaxation techniques**	2
2	**Voice production – anatomy of speech**	2
3	**Articulation: speech sounds, volume, pitch**	4
4	**Voice maintenance and care**	2

Modes of delivery	**Class discussion, pair work, individual work**
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3,EP4,EP5**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5**
Grading criteria	**Credit with a grade based on the written test covering the theory and an oral presentation in English**	
Basic reading	Ashton, Helen, Sarah Shepherd (2012): Work on your Accent	
	Maley, Alan (2000): The Language Teacher's Voice, Macmillan Publishers Limited	
	Mańkowska, Anna, Marta Nowacka, Magdalena Kłoczowska (2009): „How Much Wood would a Woodchuck Chuck?" English Pronunciation Practice Book, Konsorcjum Akademickie, Kraków	
Supplementary reading	Tarasiewicz, Bogumiła (2003): Mówię i śpiewam świadomie. Podręcznik do emisji głosu, Universitas, Kraków	

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**3**
Private reading and studying	**5**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**0**
Preparation for test / exam	**3**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Academic Culture (akademicki savoir-vivre) (COMPETENCES MODULE)	**SD_38**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Familiarize the doctoral student with academic traditions, customs and procedures, as well as the broader etiquette**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**Has knowledge of the traditions of academic customs and procedures in the country and the world and general rules of etiquette**	**SD_W02 SD_W08**
skills	**1**	**EP2**	**Able to apply knowledge of customary traditions and academic procedures translating it into bon ton**	**SD_U07 SD_U11**
social competences	**1**	**EP3**	**Knows how to behave during academic ceremonies, academic conferences and in other interpersonal relations, representing with dignity his university**	**SD_K03 SD_K06**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Historical outline regarding savoir-vivre and the social position and ethos of the university teacher**	2
2	**General rules and adherence to social forms, protocol, code, etc.**	2
3	**Communication and teamwork skills**	2
4	**Dress codes operating in modern social and professional life**	2
5	**Preparation for a job interview, savoir vivre rules applicable in the workplace (university), The ability to conduct traditional and electronic correspondence, etc.**	2

Modes of delivery	**Lecture, academic discussion**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	SPRAWDZIAN	**EP1,EP2,EP3**
	PRACA PISEMNA/ ESEJ/ RECENZJA	**EP1,EP2,EP3**
Grading criteria	**Obtain a passing grade on a written paper on a selected topic (50%) And a test on the subject (50%)**	

Basic reading	Gajowiak M. (2012): Kapitał społeczny. Przypadek polski, Warszawa
	Janert J. : Manieren studieren
	Paulik D. (2010): Student na współczesnym uniwersytecie. Ideały i codzienność, Kraków
	Thieme J. K. (2009): Szkolnictwo wyższe. Wyzwania XXI wieku. Polska-Europa-USA, Warszawa
Supplementary reading	red. H. Liberska, A. Malina, D. Suwalska-Barancewic (2014): Współcześni ludzie wobec wyzwań i zagrożeń XXI wieku, Warszawa

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**2**
Private reading and studying	**2**
Participation in tutorials	**2**
Preparation of project / essay / etc.	**4**
Preparation for test / exam	**3**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Design Thinking (myślenie projektowe) (COMPETENCES MODULE)	**SD_39**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**Obtaining advanced knowledge and conducting in-depth discussion on design thinking in a science**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD student knows design thinking theories and their evolution**	**SD_W01 SD_W04**
	2	**EP2**	**PhD Student knows social and human factors in the process of design thinking**	**SD_W03**
skills	**1**	**EP3**	**PhD Student can analyze an organization and identify the need of implementation of design thinking**	**SD_U01 SD_U04**
	2	**EP4**	**PhD student has the skills to use the methods of design thinking**	**SD_U09**
social competences	**1**	**EP5**	**PhD Student is ready for analytical and critical thinking, problem solving and teamwork**	**SD_K01 SD_K02 SD_K07**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Design Thinking Background**	2
2	**How design thinking can turn your strategy into reality – managing ideas**	2
3	**Design Thinking Approach**	2
4	**Design Thinking Tools and Methods**	2
5	**The implementation process of design thinking**	2

Modes of delivery	**Classes with the use of multimedia presentations, discussion, work on case studies** The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.

Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3,EP4,EP5**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3,EP4,EP5**

Grading criteria	**The final grade of the course is based on the result of: student""s presentation of brief implementation design thinks in science (50% of the final grade), participating in workshops, group discussion and case study solving**

	during the course (50% of the final grade)
Basic reading	by Jeanne Liedtka, Tim Ogilvie, and Rachel Brozenske (2019): The Designing for Growth Field Book: A Step-by-Step Project Guide
	Sharon Boller and Laura Fletcher (2020): Design Thinking for Training and Development
Supplementary reading	Black, S., Gardner, D. G., Pierce, J. L., & Steers, R. (2019): Design thinking. Organizational Behavior.
	Brown, T., & Katz, B. (2019): Change by design: how design thinking transforms organizations and inspires innovation (Vol. 20091), New York, NY
	Kumar, K., Zindani, D., & Davim, J. P. (2020): Methods and Tools of Design Thinking. In Design Thinking to Digital Thinking, Springer
	Micheli, P., Wilner, S. J., Bhatti, S. H., Mura, M., & Beverland, M. B. (2019): Doing design thinking: Conceptual review, synthesis, and research agenda, Journal of Product Innovation Management, 36(2)

DOCTORAL STUDENT WORKLOAD:

	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**2**
Private reading and studying	**2**
Participation in tutorials	**4**
Preparation of project / essay / etc.	**3**
Preparation for test / exam	**2**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Diversity management (zarządzanie różnorodnością) (COMPETENCES MODULE)	**SD_40**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The aim of the course is to develop knowledge of how to work effectively in teams that are diverse in terms of age, gender, nationality etc., as well as the ability to build effective teams, cooperate and manage diverse teams.**
Prerequisites	**None**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**The PhD student has advanced knowledge of management in a diverse human resource environment**	**SD_W01**
skills	**1**	**EP2**	**The PhD student has the ability to define and solve problems arising from the diversity of the team**	**SD_U01**
social competences	**1**	**EP3**	**The PhD student can interact in a diverse team while taking on different social roles**	**SD_K01**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**Essence and meaning of diversity, dimensions of diversity, opportunities and risks.**	2
2	**Dimensions of diversity and their importance for the smooth operation of an organisation.**	3
3	**Building effective teams in a diverse environment - setting goals and tasks, establishing norms, dividing roles etc.**	3
4	**The role and competences of leaders in diverse teams.**	2

Modes of delivery	**presentations, analysis of case studies, group discussions**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3**
Grading criteria	**Active participation in classes, preparation and presentation of a group project**	
Basic reading	Klarsfeld A (2010): International Handbook on Diversity Management at Work: Country Perspectives on Diversity and Equal Treatment, Edward Elgar Publishing Inc., Northampton	
	Konrad, A., P. Prasad i J Pringle (2006): Handbook of Workplace Diversity, SAGE, London	
	Ozbilgin, M.F (2009): Equality, Diversity and Inclusion at Work, Elgar Publishing Limited	
Supplementary reading	M.A. West (2012): Effective Teamwork: Practical Lessons from Organizational Research, 3rd ed, Wiley-Blackwell	

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**0**
Preparation for contact hours	**1**
Private reading and studying	**6**
Participation in tutorials	**1**
Preparation of project / essay / etc.	**7**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**

S Y L A B U S

Course unit title:	Course unit code:
Innovative thinking (myślenie innowacyjne) (COMPETENCES MODULE)	**SD_41**

Faculty / Department providing the course / module:
Szkoła Doktorska US

Course / module status:	Language of instruction:
elective	**semester: 3 - english language**

Year	Semester	Form of instruction	No. of hours	Type of credit	ECTS
2	3	konwersatorium	10	ZO	1
TOTAL			**10**		**1**

Course instructor	
Course/module / objectives	**The purpose of the course is to introduce students to methods and techniques of creative thinking that will contribute to solving wicked problems in innovative ways with team involvement**
Prerequisites	**Knowledge of English at a conversational level.**

LEARNING OUTCOMES

Category	No.	CODE	Description	Ref. to the programme benchmark
knowledge	**1**	**EP1**	**PhD Student knows methods to improve his/her own development**	**SD_W08**
skills	**1**	**EP2**	**PhD Student has the ability to develop and apply original and creative methodological solutions, research techniques and tools**	**SD_U04**
social competences	**1**	**EP3**	**PhD student is aware of the necessity to creatively search for answers to contemporary challenges and to shape patterns of attitudes towards new phenomena and problems**	**SD_K04**

No.	CONTENT	No. of hours
Form of the course: **konwersatorium**		
1	**How to Develop Innovative Thinking Skills – tools, methodes, aproaches**	2
2	**Ways to Generate Ideas**	2
3	**Ways to Narrow Down Ideas**	2
4	**Key Factors for an Innovative Organization**	2
5	**Organizational culture - rituals**	2

Modes of delivery	**Power point presentation, discussion**	
	The course teacher shall specify how artificial intelligence should be used as part of implementation of the course according to University of Szczecin best practices and standards. The course teacher shall inform doctoral students in their first class about the scope and possibilities of using AI and shall present a catalogue of tools and applications adjusted to relevant learning outcomes and teaching needs and possibilities within a given course.	
Assessment methods		No. of learning outcome from the syllabus
	PROJEKT	**EP1,EP2,EP3**
	ZAJĘCIA PRAKTYCZNE (WERYFIKACJA POPRZEZ OBSERWACJĘ)	**EP1,EP2,EP3**
Grading criteria	**.**	

Basic reading	Kurstan Ozenc (2019): Margaret Hagan Rituals for Work: 50 Ways to Create Engagement, Shared Purpose, and a Culture that Can Adapt to Change, John Willey and Sons, New Jersey
	Ostervalder Alex, Pinguer Ives, Greorgy Bernarda, Alam Smith, Trish Papadkaos (2014): Value Proposition Design: How to Create Products and Services Customers Want
Supplementary reading	Peter Drucker (2015): Innovation and Entrepreneurship, Routlandge Classic

DOCTORAL STUDENT WORKLOAD:	
	No. of hours
Contact hours	**10**
Participation in test / exam	**2**
Preparation for contact hours	**5**
Private reading and studying	**5**
Participation in tutorials	**0**
Preparation of project / essay / etc.	**3**
Preparation for test / exam	**0**
TOTAL workload in hours	**25**
ECTS credits	**1**