

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | |
|---|----------|---|---|---|--|------------------------------|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | |
| Course title: Innovation Mindset (innovacyjny sposób mylenia) (OGÓLNOUCZELNIANE) | | | | | Course code: US1000AIJ3433_53S | |
| Name of field of study: wykład ogólnouczelniany | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | Profile of study: ogólnoakademicki i praktyczny | | | Specialty: | |
| Course / module status elective | | | | Language of instruction: semester: 4 - english language | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS |
| | | | | including e-learning | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 |
| Total | | | 15 | | | 1 |
| Course / module coordinator | | dr ROMAN TYL ANOWSKI | | | | |
| Course instructor | | dr KATARZYNA ŁOBACZ | | | | |
| Course / module objectives | | The main objective of the course unit is to raise awareness on the phenomenon of Mindset in business which enable a deep understanding of the importance of Innovation Mindset and thus conscious development of innovation focused thinking directed towards innovation based entrepreneurial actions as well as creating of innovation culture of an organisation. | | | | |
| Prerequisites | | no requirements | | | | |
| LEARNING OUTCOMES | | | | | | |
| Category | No. | Code | Description | | | Ref. to programme benchmarks |
| knowledge | 1 | EP1 | Student understands what is Mindset and Innovation Mindset | | | |
| | 2 | EP2 | Student understands the mind challenges and fluctuation in the innovation process | | | |
| | 3 | EP3 | Student understands organisational challenges to innovate | | | |
| skills | 1 | EP4 | Student is able to discuss critically his/her understanding of Mindset and Innovation Mindset | | | |
| | 2 | EP5 | Student is able to discuss critically the directions of creating an innovation culture | | | |
| social competences | 1 | EP6 | Student is ready to communicate the needs for Mindset changes to facilitate innovation culture | | | |
| CONTENT | | | | | Semester | No. of hours |
| | | | | | | including e-learning |
| Subject title: Innovation Mindset (innovacyjny sposób mylenia) | | | | | | |
| Format of instruction: lecture | | | | | | |
| 1. Understanding of the Mindset and how it relates to behaviour. Fixed vs growth Mindset. Innovation Mindset and drivers of Innovation Mindset | | | 4 | 3 | 0 | |
| 2. Innovation Mindset: perception of success and failure. Dochtery?s Innovation Mindset Model, value of failure and learning | | | 4 | 3 | 0 | |
| 3. Innovation Mindset and Entrepreneurial Orientation. Entrepreneurial Mindset. Creative Mindset vs Critical Mindset. Three dimentions of Entrepreneurial Orientation. Effectuation theory. Innovative behaviors in the digital era. | | | 4 | 3 | 0 | |
| 4. Innovation Mindset of an organisation. Creating Innovation Mindset of an organisation. Changing Employee Mindset. Designing Innovation Culture | | | 4 | 3 | 0 | |
| 5. Innovation Mindset: summary of the theory and practice | | | 4 | 3 | 0 | |

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|---------------------------------------|--|---|----------------------|--------------------|---|
| Modes of delivery | 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 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 |
| | Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | | | |
| Grading criteria | To complete the course students are required to actively participate in lecture activities and deliver an essay (according to the lecturer's requirements) to be discussed with the class. The grade for the essay is the result of a multi-faceted analysis of the paper, which takes into account both the content and the form and the student's involvement in the writing process. | | | | |
| | Grade calculation principles | | | | |
| | The course grade is the lecture grade | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | Innovation Mindset (innovacyjny sposób myślenia) | | Ważona | |
| | 4 | Innovation Mindset (innovacyjny sposób myślenia) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | J. Dyer (2011): Think like an Innovator, HBR | | | | |
| | T. Mazzarol (2011): Cases in Entrepreneurship and Innovation, Tilde University Press | | | | |
| Supplementary reading | C. Dweck (2008): Mindset. The new psychology of Success, Ballantine Books | | | | |
| | J.H. Dyer, H. Gregersen, C.M. Christensen (2009): The innovator's DNA, HBR | | | | |
| | V. Govindarajan (2010): Creating an Innovation Mindset, HBR | | | | |
| STUDENT WORKLOAD | | | | | |
| | | | No. of hours | | |
| | | | including e-learning | | |
| Contact hours | 15 | | 0 | | |
| Participation in test / exam | 0 | | 0 | | |
| Preparation for contact hours | 0 | | 0 | | |
| Private reading and studying | 0 | | 0 | | |
| Participation in tutorials | 2 | | 0 | | |
| Preparation of project / essay / etc. | 8 | | 0 | | |
| Preparation for test / exam | 0 | | 0 | | |
| TOTAL workload | 25 | | | | |
| ECTS credits | 1 | | | | |

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | | |
|--|----------|---|--|------------------------------|--|----------------------|---|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | | |
| Course title: Personal Finance (OGÓLNOUCZELNIANE) | | | | | Course code: US1000AIJ3432_50S | | |
| Name of field of study: wykład ogólnouczelniany | | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | Profile of study: ogólnoakademicki i praktyczny | | | Specialty: | | |
| Course / module status elective | | | Language of instruction: semester: 4 - english language | | | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS | |
| | | | | including e-learning | | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 | |
| Total | | | 15 | | | 1 | |
| Course / module coordinator | | dr hab. BEATA WIECKA | | | | | |
| Course instructor | | dr hab. BEATA WIECKA | | | | | |
| Course / module objectives | | The course aims to familiarize you with current topics in personal finance. The lecture seeks a mutual discussion and an attempt to answer the questions: How to manage finances more effectively? How to secure your financial future? What tools should be used? What model of personal finance management should be chosen? How can over-indebtedness and consumer bankruptcy be prevented? | | | | | |
| Prerequisites | | Lack | | | | | |
| LEARNING OUTCOMES | | | | | | | |
| Category | No. | Code | Description | Ref. to programme benchmarks | | | |
| knowledge | 1 | EP1 | The student has in-depth knowledge of personal finance management. | | | | |
| | 2 | EP2 | The student has in-depth knowledge of the tools of personal finance | | | | |
| skills | 1 | EP3 | The student is able to use theoretical knowledge in the field of personal finance in the practice of everyday life. | | | | |
| | 2 | EP4 | The student has the ability to understand and analyze the financial services market and use knowledge in managing own funds. | | | | |
| social competences | 1 | EP5 | The student shows creativity in action and can supplement and improve the acquired knowledge and skills in the field of personal finance. | | | | |
| | 2 | EP6 | The student is ready to interact in a group and sees the need for continuous learning in a changing environment. | | | | |
| CONTENT | | | | | Semester | No. of hours | |
| | | | | | | including e-learning | |
| Subject title: Personal Finance | | | | | | | |
| Format of instruction: lecture | | | | | | | |
| 1. How to effectively manage your finances? | | | | | 4 | 3 | 0 |
| 2. How to make better your financial decisions? | | | | | 4 | 3 | 0 |
| 3. Over-indebtedness, insolvency and consumer bankruptcy - what to do not to be financially bankrupt? | | | | | 4 | 3 | 0 |

| | | | | | |
|--|---|--|---|--------------------|------------------------|
| 4. How to be financially protect for the future? | | 4 | 3 | 0 | |
| 5. How to use behavioral aspects in personal financial management | | 4 | 3 | 0 | |
| Modes of delivery | Lecture. 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 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 | | |
| | PREZENTACJA | | EP1,EP2,EP3,EP4,EP5,EP6 | | |
| Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | | | | |
| Grading criteria | Submitting the thesis on time; fulfillment of formal conditions; meeting the substantive conditions. Grade 2-5. A. Substantive content 80%: 1. Understanding of the topic: The assessment will take into account the student's level of understanding of the financial issues discussed. 2. Precision of information: The accuracy and precision of the content provided will be assessed. 3. Practical application: Assessment will take into account the ability to present practical financial advice and its usefulness to the audience. B. Brightness and clarity of presentation 20%: 1. Presentation structure: The assessment will take into account whether the presentation has a logical structure, consistent with the information provided. 2. Language and style of presentation: Clarity and clarity of the message, as well as the way of presenting the content, will be assessed. 3. Use of supporting materials: Assessment will take into account whether the presenter uses illustrations, charts, or other materials appropriately to better understand the topic. | | | | |
| | Grade calculation principles | | | | |
| | The course grade is the lecture grade | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | Personal Finance (finanse osobiste) | | Ważona | |
| | 4 | Personal Finance (finanse osobiste) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | Kapoor J., Dlabay L., Hughes R. Hart M. (2022): Focus on Personal Finance (7th Edition), McGraw-Hill Education, USA | | | | |
| Supplementary reading | | | | | |
| STUDENT WORKLOAD | | | | | |
| | | No. of hours | | | |
| | | including e-learning | | | |
| Contact hours | 15 | | 0 | | |
| Participation in test / exam | 0 | | 0 | | |
| Preparation for contact hours | 0 | | 0 | | |
| Private reading and studying | 4 | | 0 | | |
| Participation in tutorials | 2 | | 0 | | |
| Preparation of project / essay / etc. | 4 | | 0 | | |
| Preparation for test / exam | 0 | | 0 | | |
| TOTAL workload | 25 | | | | |
| ECTS credits | 1 | | | | |

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | | |
|---|----------|--|---|---|--|----------------------|---|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | | |
| Course title: World's Telecommunications Markets: An International Perspective (rynki telekomunikacyjne wiata: perspektywa mi dzynarodowa) (OGOLNOUCZELNIANE) | | | | | Course code: US1000AIJ3434_48S | | |
| Name of field of study: wykład ogólnouczelniany | | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | | Profile of study: ogólnoakademicki i praktyczny | | Specjalty: | | |
| Course / module status elective | | | | Language of instruction: semester: 4 - english language | | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS | |
| | | | | including e-learning | | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 | |
| Total | | | 15 | | | 1 | |
| Course / module coordinator | | dr hab. MACIEJ CZAPLEWSKI | | | | | |
| Course instructor | | dr hab. MACIEJ CZAPLEWSKI | | | | | |
| Course / module objectives | | The main goal of the course is to provide students with knowledge about global telecommunications markets, developing the ability to analyze data and business strategies occurring on these markets and shaping them competence in making informed decisions, taking into account factors affecting this market. | | | | | |
| Prerequisites | | None | | | | | |
| LEARNING OUTCOMES | | | | | | | |
| Category | No. | Code | Description | Ref. to programme benchmarks | | | |
| knowledge | 1 | EP1 | Understanding the global structure of telecommunications markets, including history, current trends and future forecasts. | | | | |
| | 2 | EP2 | Awareness of cultural and regulatory differences affecting the functioning of global markets telecommunications. | | | | |
| skills | 1 | EP3 | Analysis and interpretation of market-related telecommunications data at a global and regional level. | | | | |
| | 2 | EP4 | Assessment of business and potential strategies threats and opportunities in global telecommunications markets. | | | | |
| social competences | 1 | EP5 | Ability to make business decisions with taking into account global factors influencing telecommunications market, such as regulations, technologies and consumer trends. | | | | |
| CONTENT | | | | | Semester | No. of hours | |
| | | | | | | including e-learning | |
| Subject title: World's Telecommunications Markets: An International Perspective (rynki telekomunikacyjne wiata: perspektywa mi dzynarodowa) | | | | | | | |
| Format of instruction: lecture | | | | | | | |
| 1. Technological evolution in telecommunications | | | | | 4 | 3 | 0 |
| 2. Telecommunications regulations on a global and national scale | | | | | 4 | 3 | 0 |
| 3. The impact of digitalization on the development of telecommunications markets | | | | | 4 | 3 | 0 |

| | | | | | |
|--|--|--|-------------------|---|------------------------|
| 4. Cultural differences and marketing strategies in the telecommunications industry | | 4 | 3 | 0 | |
| 5. Transformation of telecommunications markets into information and communication markets | | 4 | 3 | 0 | |
| Modes of delivery | Lecture combined with a multimedia presentation, 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 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 | |
| | Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | | | |
| Grading criteria | Getting a positive assessment of the project | | | | |
| | Grade calculation principles | | | | |
| | The final grade for the course is 100% of the grade for the project | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | World's Telecommunications Markets: An International Perspective (rynkı telekomunikacyjne świata: perspektywa międzynarodowa) | | Ważona | |
| | 4 | World's Telecommunications Markets: An International Perspective (rynkı telekomunikacyjne świata: perspektywa międzynarodowa) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | Goggin Gerard (2011): Global Mobile Media, Routledge, London | | | | |
| Supplementary reading | Abbi Sushama (2021): Handbook of Research on Internationalization of Entrepreneurial Innovation in the Global Economy, IGI Global, Hershey | | | | |
| | Czaplewski Maciej, Stecyk Adam (2020): Usługi rynku telekomunikacyjnego w warunkach rosnącej roli internetu na przykładzie wybranych państw, Wydawnictwo Naukowe Uniwersytetu Szczecińskiego, Szczecin | | | | |
| STUDENT WORKLOAD | | | | | |
| | | No. of hours | | | |
| | | including e-learning | | | |
| Contact hours | 15 | | 0 | | |
| Participation in test / exam | 0 | | 0 | | |
| Preparation for contact hours | 0 | | 0 | | |
| Private reading and studying | 2 | | 0 | | |
| Participation in tutorials | 2 | | 0 | | |
| Preparation of project / essay / etc. | 6 | | 0 | | |
| Preparation for test / exam | 0 | | 0 | | |
| TOTAL workload | 25 | | | | |
| ECTS credits | 1 | | | | |

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | |
|---|----------|--|---|---|--|----------|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | |
| Course title: Art and Culture - American Heritage (dziedzictwo amerykańskiej sztuki i kultury) (OGÓLNOUCZELNIANE) | | | | | Course code: US1000AIJ3440_80S | |
| Name of field of study: wykład ogólnouczelniany | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | Profile of study: ogólnoakademicki i praktyczny | | | Specialty: | |
| Course / module status elective | | | | Language of instruction: semester: 4 - english language | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS |
| | | | | including e-learning | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 |
| Total | | | 15 | | | 1 |
| Course / module coordinator | | dr RENATA NOWACZEWSKA | | | | |
| Course instructor | | dr RENATA NOWACZEWSKA | | | | |
| Course / module objectives | | <p>Acquainting students with the essence of American culture in the light of historical and cultural changes taking place in the USA.</p> <p>Making students understand the issues of ethnic identity, elements shaping the heritage of American culture from Native Americans, through European and colonial origins to the present- African, Asian and Latin American influences.</p> <p>Acquainting students with the achievements of American art from colonial times till the present day</p> <p>Making students interested in American art, music, and cinema.</p> | | | | |
| Prerequisites | | Knowledge of English B2 | | | | |
| LEARNING OUTCOMES | | | | | | |
| Category | No. | Code | Description | Ref. to programme benchmarks | | |
| knowledge | 1 | EP1 | A Student knows and understands basic theory of culture and mechanisms that have shaped American society and culture, including race, diversity, multiculturalism, social and political history of America. | | | |
| | 2 | EP2 | Knows various contexts of American art, music and movies. | | | |
| | 3 | EP3 | Understands and is able to use the language to interpret works of art. | | | |
| | 4 | EP4 | Knows the key artistic movements, styles and artists representing them. | | | |
| | 5 | EP5 | A student is familiar with significant collections of American art museums. | | | |

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|--------------------|---|------|--|--|
| skills | 1 | EP6 | A student can recognize historically significant works of American art, architecture, design, literature. | |
| | 2 | EP7 | A student is able to critically analyze the output of American art, literature, music etc. and identify the cultural heritage it bears. | |
| | 3 | EP8 | A student can investigate themes, genres in American movies and interpret their cultural impact. | |
| | 4 | EP9 | A student is able to relate main artistic movements, trends and schools in a wider cultural, social and economic context. | |
| | 5 | EP10 | A student is prepared to critically analyze the changes taking place in American art and culture in the wider context of social, political, economic and cultural developments. | |
| social competences | 1 | EP11 | A student is prepared to evaluate his knowledge and verify it on the bases of available source materials in order to develop his skills in interpreting works of art and their sources in American heritage. | |

| CONTENT | Semester | No. of hours | |
|---------|----------|--------------|----------------------|
| | | | including e-learning |

Subject title: **Art and Culture - American Heritage (dziedzictwo amerykańskiej sztuki i kultury)**

Format of instruction: **lecture**

| | | | |
|---|---|---|---|
| 1. Understanding American culture: concepts, traits, values, beliefs, religious heritage, frontier heritage, diversity | 4 | 2 | 0 |
| 2. Main American artistic movements and styles: from Colonial period to Realism t | 4 | 2 | 0 |
| 3. Artlessness of American Art | 4 | 2 | 0 |
| 4. From American Realism and abstract expressionism to modern art | 4 | 2 | 0 |
| 5. Women and Art: Mary Cassatt, Georgia O'Keeffe, Women-art Patrons and collectors | 4 | 2 | 0 |
| 6. American Architecture: Frank Lloyd Wright | 4 | 1 | 0 |
| 7. Books and Authors that Shaped America | 4 | 1 | 0 |
| 8. The History of American Film: themes and variations | 4 | 2 | 0 |
| 9. The Heritage of American Popular Music | 4 | 1 | 0 |

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| Modes of delivery | Lecture with elements of multimedia presentations, movies, music etc. |
| | 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 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,EP9 |
| | PRACA PISEMNA/ ESEJ/ RECENZJA | EP10,EP11,EP3,EP4,EP7,EP8,EP9 |
| | PREZENTACJA | EP10,EP11,EP3,EP4,EP7,EP8 |
| Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | |

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|---------------------------------------|--|---|----------------------|--------------------|------------------------|
| Grading criteria | Students are assessed on the basis of a written test and Power Point presentation or a paper. Students are assessed on the basis of a written test (70%) and a Power Point presentation or a paper on the topic accepted by the instructor (30%). | | | | |
| | Grade calculation principles | | | | |
| | The final grade is the grade from the lecture. | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | Art and Culture - American Heritage (dziedzictwo ameryka skiej sztuki i kultury) | | Wa ona | |
| | 4 | Art and Culture - American Heritage (dziedzictwo ameryka skiej sztuki i kultury) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | A.L. Miller, J.C. Berlo, et. al. eds. (2008): American Encounters. Art., History, and Cultural Identity, , St. Louis | | | | |
| | F.C. Marchetti, ed. (2005): Malarstwo Ameryka skie, Warszawa | | | | |
| | Goł biowski M. (2004): Dzieje Kultury Stanów Zjednoczonych. , Warszawa, | | | | |
| | L.S. Luedtke, ed. (1992): Making America. The Society and Culture of the United States, Chapel Hill | | | | |
| | Mauk D., J. Oakland. (2022): American Civilization. An Introduction. 8th edition, New York | | | | |
| | Nowaczewska, R (2021): Out of the Spotlight: Abby Aldrich Rockefeller and Women's Philanthropy in the World of Art,, Białystok | | | | |
| Supplementary reading | Lewicki Z. (2017): Historia cywilizacji ameryka skiej. T 1-4, Warszawa | | | | |
| | SmarHistory https://smarthistory.org/ | | | | |
| | Terra Foundation for American Art https://www.terraamericanart.org/ | | | | |
| STUDENT WORKLOAD | | | | | |
| | | | No. of hours | | |
| | | | including e-learning | | |
| Contact hours | 15 | | 0 | | |
| Participation in test / exam | 1 | | 0 | | |
| Preparation for contact hours | 0 | | 0 | | |
| Private reading and studying | 4 | | 0 | | |
| Participation in tutorials | 1 | | 0 | | |
| Preparation of project / essay / etc. | 2 | | 0 | | |
| Preparation for test / exam | 2 | | 0 | | |
| TOTAL workload | 25 | | | | |
| ECTS credits | 1 | | | | |

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | | |
|--|----------|---|---|------------------------------|--|----------------------|---|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | | |
| Course title: Introduction to Philosophy of Science (wprowadzenie do filozofii nauki) (OGÓLNOUCZELNIANE) | | | | | Course code: US1000AIJ3441_76S | | |
| Name of field of study: wykład ogólnouczelniany | | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | Profile of study: ogólnoakademicki i praktyczny | | | Specialty: | | |
| Course / module status elective | | | Language of instruction: semester: 4 - english language | | | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS | |
| | | | | including e-learning | | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 | |
| Total | | | 15 | | | 1 | |
| Course / module coordinator | | dr TOMASZ SZUBART | | | | | |
| Course instructor | | dr TOMASZ SZUBART | | | | | |
| Course / module objectives | | The aim of this course is to explore and critically examine the fundamental principles, methodologies, and assumptions that underlie scientific inquiry. | | | | | |
| Prerequisites | | None. | | | | | |
| LEARNING OUTCOMES | | | | | | | |
| Category | No. | Code | Description | Ref. to programme benchmarks | | | |
| knowledge | 1 | EP1 | Student possess basic knowledge about what science is and how it differs from other areas of cognitive and social activity. | | | | |
| | 2 | EP2 | Student recognize fundamental concepts and problems in the philosophy of science, such as: explanation, reduction, induction, inference, falsification, realism, anti-realism, and the Duhem-Quine thesis. | | | | |
| skills | 1 | EP3 | The student is able to analyze philosophical arguments, identify key theses and assumptions and relate them to scientific research | | | | |
| social competences | 1 | EP4 | The student is ready to think critically and discuss issues concerning the foundations of science and the scientific worldview. | | | | |
| CONTENT | | | | | Semester | No. of hours | |
| | | | | | | including e-learning | |
| Subject title: Introduction to Philosophy of Science (wprowadzenie do filozofii nauki) | | | | | | | |
| Format of instruction: lecture | | | | | | | |
| 1. What is science? What are the criteria that distinguish it from other types of cognitive and social activities? What is pseudoscience? What is a scientific explanation? The Hempel-Oppenheim Model. | | | | | 4 | 3 | 0 |
| 2. A short introduction to propositional logic. What constitutes good reasoning? | | | | | 4 | 2 | 0 |
| 3. Explanation, model, theory. Induction versus deduction. Did Sherlock Holmes actually use deduction? How do we know that the sun will rise tomorrow? | | | | | 4 | 2 | 0 |
| 4. Social aspects of science and scientific practice versus science as a product of the cognitive process. | | | | | 4 | 2 | 0 |

| | | | | | |
|--|--|--|---|--------------------|------------------------|
| 5. Popper and falsification versus verification. | | 4 | 2 | 0 | |
| 6. Fleck, Kuhn, and Feyerabend: the significance of truth in scientific research. | | 4 | 2 | 0 | |
| 7. Methodological controversies in selected fields, e.g.: the arrow of time in physics, the gene in evolutionary biology, free will in cognitive neuroscience, participant suggestions. Contemporary issues. | | 4 | 2 | 0 | |
| Modes of delivery | Interactive lecture | | | | |
| | 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 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 | | |
| | Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | | | |
| Grading criteria | Written test: the student accurately answers 30% of the questions, with a minimum accuracy level of 30%. Satisfactory grade: 30% to 50% correct answers; satisfactory plus grade: 51% to 60% correct answers; good grade: 61% to 70% correct answers; good plus grade: 71% to 80% correct answers; very good grade: 81% or more correct answers. | | | | |
| | Grade calculation principles | | | | |
| | The grade for the course is the grade for the lecture. | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | Introduction to Philosophy of Science (wprowadzenie do filozofii nauki) | | Ważona | |
| | 4 | Introduction to Philosophy of Science (wprowadzenie do filozofii nauki) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | Alexander Bird (2014): The Philosophy of Science: An Introduction | | | | |
| | Karl Popper (1959): The Logic of Scientific Discovery | | | | |
| Supplementary reading | Karl Popper (1983): Realism and the Aim of Science | | | | |
| | Thomas Kuhn (1962): The Structure of Scientific Revolutions | | | | |
| STUDENT WORKLOAD | | | | | |
| | | No. of hours | | | |
| | | including e-learning | | | |
| Contact hours | | 15 | 0 | | |
| Participation in test / exam | | 1 | 0 | | |
| Preparation for contact hours | | 0 | 0 | | |
| Private reading and studying | | 5 | 0 | | |
| Participation in tutorials | | 0 | 0 | | |
| Preparation of project / essay / etc. | | 0 | 0 | | |
| Preparation for test / exam | | 4 | 0 | | |
| TOTAL workload | | 25 | | | |
| ECTS credits | | 1 | | | |

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | | |
|---|----------|---|---|---|--|----------------------|---|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | | |
| Course title: Air pollution and the risk of pollen allergy (ryzyko alergii a zanieczyszczenia powietrza) (OGÓLNOUCZELNIANE) | | | | | Course code: US1000AIJ3446_75S | | |
| Name of field of study: wykład ogólnouczelniany | | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | | Profile of study: ogólnoakademicki i praktyczny | | Specjalty: | | |
| Course / module status elective | | | | Language of instruction: semester: 4 - english language | | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS | |
| | | | | including e-learning | | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 | |
| Total | | | 15 | | | 1 | |
| Course / module coordinator | | dr hab. MAŁGORZATA PUC | | | | | |
| Course instructor | | dr hab. MAŁGORZATA PUC | | | | | |
| Course / module objectives | | Acknowledging the effects of interactions between air pollution, aeroallergens and biological particles in the atmosphere Getting acquainted with current equipment equipment; Acquiring the ability to recognize biological particles under a microscope; | | | | | |
| Prerequisites | | None | | | | | |
| LEARNING OUTCOMES | | | | | | | |
| Category | No. | Code | Description | Ref. to programme benchmarks | | | |
| knowledge | 1 | EP1 | Student knows types of air pollution and its relation with meteorological factors | | | | |
| | 2 | EP2 | Student knows basic mechanism of aeroallergens functioning | | | | |
| skills | 1 | EP3 | Student is able to assert the impact of meteorological factors and air pollution on the pollen count | | | | |
| | 2 | EP4 | Student is able to connect phenomena and processes occurring outdoors and indoors regarding the composition of the bioaerosol | | | | |
| | 3 | EP5 | Student is able to name the factors determining the air content indoors | | | | |
| social competences | 1 | EP6 | Student is ready to recognize the value and importance of knowledge in the field of environmental protection in solving scientific problems regarding bioaerosol and practical solutions to problems related to air pollutio | | | | |
| CONTENT | | | | | Semester | No. of hours | |
| | | | | | | including e-learning | |
| Subject title: Air pollution and the risk of pollen allergy (ryzyko alergii a zanieczyszczenia powietrza) | | | | | | | |
| Format of instruction: lecture | | | | | | | |
| 1. Biological particles vs photochemical processes in the atmosphere | | | | | 4 | 3 | 0 |
| 2. Anthropogenic and natural air pollution and its impact on the environment | | | | | 4 | 3 | 0 |

| | | | | | |
|---|--|---|-------------------|---|------------------------|
| 3. Social aspects vs air pollution (impact on health, economy, climate) | | 4 | 3 | 0 | |
| 4. Microorganisms on the surface of pollen grains and pollen allergens vs interactions with air pollution | | 4 | 3 | 0 | |
| 5. Environmental and genetic origin of pollinosis | | 4 | 3 | 0 | |
| Modes of delivery | multimedia presentation | | | | |
| | 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 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 | |
| | Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | | | |
| Grading criteria | Lectures are passed on the basis of the development of three out of 5 topics from the lecture material - during the final lecture; | | | | |
| | Grade calculation principles | | | | |
| | 100% lecture | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | Air pollution and the risk of pollen allergy (ryzyko alergii a zanieczyszczenia powietrza) | | Ważona | |
| | 4 | Air pollution and the risk of pollen allergy (ryzyko alergii a zanieczyszczenia powietrza) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | D'Amato G., Spiekma F. Th. M., Bonini S. (Red.) (2010): Allergenic Pollen and Pollinosis in Europe, Blackwell Scientific Publications, London | | | | |
| | Hyde H.A., Adams K. F.: (1958): An Atlas of Airborne Pollen Grains., MacMillan & CO LTD, London | | | | |
| | Marsh D. G., Goodfriend L., King T. P., Lewenstein H., Platts-Mills T. A. E.: (2014): Allergen nomenclature., Bull. WHO., USA | | | | |
| Supplementary reading | authors of individual articles (2019): Aerobiologia, Grana, Acta Agrobotanica, AAEM, Atmospheric Environment, Biogeosciences, Int. J. Biometeorology, science magazine, UE, USA | | | | |
| STUDENT WORKLOAD | | | | | |
| | | No. of hours | | | |
| | | including e-learning | | | |
| Contact hours | | 15 | 0 | | |
| Participation in test / exam | | 0 | 0 | | |
| Preparation for contact hours | | 0 | 0 | | |
| Private reading and studying | | 3 | 0 | | |
| Participation in tutorials | | 2 | 0 | | |
| Preparation of project / essay / etc. | | 5 | 0 | | |
| Preparation for test / exam | | 0 | 0 | | |
| TOTAL workload | | 25 | | | |
| ECTS credits | | 1 | | | |

COURSE SYLLABUS AND SPECIFICATION

| Curriculum title: US-wykład ogólnouczelniany-O+P-I+JM-S-23/24Z-realizacja w 24/25 | | | | | | | |
|---|----------|--|--|---|--|------------------------------|---|
| Unit: Wykład ogólnouczelniany [moduł] | | | | | | | |
| Course title: Contemporary discoveries of science and technology (współczesne odkrycia nauki i techniki) (OGÓLNOUCZELNIANE) | | | | | Course code: US1000AIJ3445_71S | | |
| Name of field of study: wykład ogólnouczelniany | | | | | | | |
| Mode and cycle of study: I stopnia + JSM, full - time | | Profile of study: ogólnoakademicki i praktyczny | | | Specjalty: | | |
| Course / module status elective | | | | Language of instruction: semester: 4 - english language | | | |
| Year | Semester | Form of instruction | No. of hours | | Type of credit | ECTS | |
| | | | | including e-learning | | | |
| 2 | 4 | lecture | 15 | 0 | pg | 1 | |
| Total | | | 15 | | | 1 | |
| Course / module coordinator | | dr NATALIA TARGOSZ- L CZKA | | | | | |
| Course instructor | | dr NATALIA TARGOSZ- L CZKA | | | | | |
| Course / module objectives | | Introduction to chosen modern science and technology discoveries | | | | | |
| Prerequisites | | Basic knowledge of natural sciences and technology | | | | | |
| LEARNING OUTCOMES | | | | | | | |
| Category | No. | Code | Description | | | Ref. to programme benchmarks | |
| knowledge | 1 | EP1 | The student knows selected methods of science and technology | | | | |
| skills | 1 | EP2 | The student is able to provide examples of the use of achievements of science and technology in everyday life | | | | |
| social competences | 1 | EP3 | The student knows the limits of his or her own knowledge and sees the need for further education | | | | |
| CONTENT | | | | | Semester | No. of hours | |
| | | | | | | including e-learning | |
| Subject title: Contemporary discoveries of science and technology (współczesne odkrycia nauki i techniki) | | | | | | | |
| Format of instruction: lecture | | | | | | | |
| 1. Lasers | | | | | 4 | 3 | 0 |
| 2. Electron microscope | | | | | 4 | 3 | 0 |
| 3. Semiconductors | | | | | 4 | 3 | 0 |
| 4. Nuclear power plants | | | | | 4 | 3 | 0 |
| 5. Energy from nuclear fusion | | | | | 4 | 3 | 0 |
| Modes of delivery | | online lecture, multimedia presentations | | | | | |
| | | 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 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 |
| | Metody i formy weryfikacji efektów uczenia się mogą zostać zmienione dla studentów ze szczególnymi potrzebami na warunkach i zasadach określonych w Regulaminie Studiów Uniwersytetu Szczecińskiego. | | | | |
| Grading criteria | positive test grade | | | | |
| | Grade calculation principles | | | | |
| | The grade for the test is the grade for the lecture | | | | |
| Final grade calculation method | Sem. | Course | Type of credit | Grade calc. method | Weight for the average |
| | 4 | Contemporary discoveries of science and technology (współczesne odkrycia nauki i techniki) | | Ważona | |
| | 4 | Contemporary discoveries of science and technology (współczesne odkrycia nauki i techniki) [wykład] | zaliczenie z ocen | | 1,00 |
| Basic reading | H. D. Young and R. A. Freedman (2007): Sears and Zemansky's University Physics with Modern Physics, Pearson Addison-Wesley | | | | |
| Supplementary reading | | | | | |
| STUDENT WORKLOAD | | | | | |
| | | No. of hours | | | |
| | | including e-learning | | | |
| Contact hours | 15 | | 0 | | |
| Participation in test / exam | 1 | | 0 | | |
| Preparation for contact hours | 3 | | 0 | | |
| Private reading and studying | 2 | | 0 | | |
| Participation in tutorials | 1 | | 0 | | |
| Preparation of project / essay / etc. | 0 | | 0 | | |
| Preparation for test / exam | 3 | | 0 | | |
| TOTAL workload | 25 | | | | |
| ECTS credits | 1 | | | | |