

Subjects to be chosen by Mobility Direct students.

Proper way of including a course in your Learning Agreement:

Course Unit Code	Course Unit Title and the language it is taught in	Number of ECTS Credits
MD062	Statistical Analysis of Financial Instruments	6

↓ Faculty code  
MD=Mobility Direct

↓ Course's number from the list

↓ Course's name, as on the list

↓ Number of ECTS, as on the list

OR if you choose courses from Erasmus Programme list:

<http://iso.uni.lodz.pl/erasmus/programmes>

in "Course Unit Code" please put the code you find in description, for example: 1300-D2P0017. Please know that the subjects listed below are also included in the Erasmus list on www.

**Important! Faculties reserve their right to open a course if at least 5 students enroll for them. If one of the courses does not open, there will be other options. You will be informed about the changes.**

Faculties' codes:

**Faculty of Philology: 01**

**Faculty of Philosophy and History: 02**

**Faculty of Biology and Environmental Protection: 04**

**Faculty of Law and Administration: 05**

**Faculty of Economics and Sociology: 06**

**Faculty of Educational Sciences: 07**

**Faculty of Management: 08**

**Faculty of Mathematics and Computer Science: 11**

**Faculty of International and Political Studies: 13**

**Faculty of Geography: 14**

**Faculty of Physics and Applied Informatics: 15**

**Faculty of Chemistry: 16**

*Prepared by International Relations Office UL, March 2014*

# FACULTY OF PHILOLOGY - 01

## Department of Journalism:

### *Winter and summer semester*

List of courses:

1. Advertising – trends and production, 6 ECTS
2. Journalism and press journalist's profession, 6 ECTS
3. Journalistic and artistic radio, 15 ECTS
4. Media Market in Poland, 10 ECTS

### *Summer semester*

List of courses:

1. Propaganda der totalitären Systeme (in German)

## Institute of German studies:

### *Winter semester*

List of courses:

1. Deutsche Publizistik, 3 ECTS
2. Deutsches Mediensystem, 3 ECTS
3. Klassik Romantik, 4 ECTS
4. Realismus, Naturalismus, 4 ECTS
5. Weimarer Republik bis ca. 1968, 4 ECTS

### *Summer semester*

List of courses:

- |   |   |
|---|---|
| 1. British Culture, 3 ECTS                                | 5. Journalistisches Schreiben, 3 ECTS     |
| 2. Deutsche Publizistik, 3 ECTS                           | 6. Klassik Romantik, 4 ECTS               |
| 3. Deutsch-polnische Theaterbeziehungen nach 1945, 3 ECTS | 7. Realismus, Naturalismus, 4 ECTS        |
| 4. Effektiv Studieren, 4 ECTS                             | 8. Weimarer Republik bis ca. 1968, 4 ECTS |

## Institute of English studies:

### *Winter and summer semester*

List of courses:

- |  |   |
|--|---|
| 1. American literature, 4+2/2 ECTS   | 5. BA Seminar: Subversion and transgression in drama, film, and culture, 4+2 ECTS |
| 2. BA Seminar: "You're a freak, like me." Madmen, misfits, psychopaths in literature, art, and culture, 4+2 ECTS | 6. BA Seminar: Survival at all costs? Canadian fiction 1959 - 2011, 4+2 ECTS      |
| 3. BA Seminar: A critical discourse analysis perspective on media and communication, 4+2 ECTS                    | 7. BA Seminar: Translation in multicultural and digital environments, 4+2 ECTS    |
| 4. BA Seminar: General and English-Polish contrastive linguistics and its applications, 4+2 ECTS                 | 8. British history and culture, 1 ECTS  |
|  | 9. British history and culture, 3 ECTS  |
|  | 10. Descriptive grammar 1/2, 4 ECTS   |

11. EFL speaking, 2 ECTS
12. Integrated skills – module 1, 4 ECTS
13. Integrated skills – module 2, 4 ECTS
14. Integrated skills – module 3, 4 ECTS
15. Integrated skills – module 4, 4 ECTS
16. Integrated skills – module 5, 4 ECTS
17. Integrated skills – module 6, 4 ECTS
18. Introduction to linguistics, 1 ECTS
19. MA Seminar: Drama and film adaptations, 4+2 ECTS
20. MA Seminar: English language and suppletions: translation, cognitive lexical and discourse analysis of language corpus data & applications in dictionaries, 4+2 ECTS
21. MA Seminar: Epiphany in American short story, 4+2 ECTS
22. MA Seminar: Identities and cultures in texts and images, 4+2 ECTS
23. MA Seminar: Language and image interactions, 4+2 ECTS
24. MA Seminar: Language, mind, and culture, 4+2 ECTS
25. MA Seminar: Late medieval and early modern English literature, 4+2 ECTS
26. MA Seminar: Linguistic pragmatics, 4+2 ECTS
27. MA Seminar: Second/foreign language acquisition processes and approaches to language pedagogy, 4+2 ECTS
28. MA Seminar: Specialized translation: Issues and applications, 4+2 ECTS
29. MA Seminar: Teaching and researching the pronunciation of English, 4+2 ECTS
30. MA Seminar: The many sites of American gothic, 4+2 ECTS
31. MA Seminar: Theories and paradigms of audiovisual translation, 4+2 ECTS
32. Phonetics 3/4, 2 ECTS
33. Specialisation course: Corpus linguistics, 4+2 ECTS
34. Specialisation course: Issues in translation & interpreting, 3+2 ECTS
35. Specialisation Seminar: Perspectives and theories in literary studies, 4+2 ECTS

### *Winter semester*

#### List of courses:

1. American history and culture, 2+2 ECTS
2. American literature: Crime and/or punishment in American fiction, 3+2 ECTS
3. American literature: Minimalistic motifs in 20<sup>th</sup> century American literature, 3+2 ECTS
4. American literature: Wars in American literature, 3+2 ECTS
5. BA Seminar: Teaching English as foreign language, 4+2 ECTS
6. British literature 1, 1+3+2 ECTS
7. British literature 3, 1+3+2 ECTS
8. British literature: British and Irish drama, 3+2 ECTS
9. British literature: Medieval and renaissance literature: 3+2 ECTS
10. Computer applications in translation and CAT, 3 ECTS
11. Culture studies L: History of culture, 1+3+2 ECTS
12. Descriptive grammar 3, 2 ECTS
13. Didactics of English teaching 1, 2 ECTS
14. Didactics of English teaching 3, 2 ECTS
15. EFL additional classes (academic skills), 3 ECTS
16. English studies, Images of modernity, 3+2 ECTS
17. English studies: Cognitive perspectives on language, 3+2 ECTS
18. English studies: Language in the media, 3+2 ECTS
19. English studies: Psycholinguistic aspects of multilingualism, 3+2 ECTS
20. English studies: Religion in the USA, 3+2 ECTS
21. English studies: Theatre of the absurd, 3+2 ECTS
22. History and varieties of English, 4 ECTS
23. Integrated skills – module 1M, 6 ECTS
24. Integrated skills – module 3M, 7 ECTS
25. Introduction to interpreting, 2 ECTS
26. Introduction to literary studies, 1 ECTS
27. Language teaching, 1 ECTS
28. Linguistics: Autonomy in EFL classroom, 3+2 ECTS

29. Linguistics: Main approaches to linguistic analysis in theory and applied linguistics, 3+2 ECTS
30. Phonetics 1, 2 ECTS
31. Practical grammar 1, 2 ECTS
32. Practical Translation, 3 ECTS
33. Psychology of primary education, 4 ECTS
34. Specialisation course: Animals and the animalistic in literary texts by American authors, 4+2 ECTS
35. Specialisation course: Approaches to literary studies, 3+2 ECTS
36. Specialisation course: Contemporary British and American art and music, 3+2 ECTS
37. Specialisation course: Creative writing for the stage, 4+2 ECTS
38. Specialisation course: Discourse and communication in media and politics, 4+2 ECTS
39. Specialisation course: Doing second language research. 3+2 ECTS
40. Specialisation course: Explorations in psycholinguistics and ELT methodology, 3+2 ECTS
41. Specialisation course: Literature, art, and beliefs – American contexts, 4+2 ECTS
42. Specialisation course: Mass culture, 3+2 ECTS
43. Specialisation course: Media in culture, 3+2 ECTS
44. Specialisation course: Monty Python in little Britain: television comedy and popculture, 4+2 ECTS
45. Specialisation course: Qualitative research methods in composition studies, 4+2 ECTS
46. Specialisation course: rhetoric, persuasion and propaganda, 4+2 ECTS
47. Specialisation course: Short story in American romantic literature, 3+2 ECTS
48. Specialisation course: The language and images of advertising, 3+2 ECTS
49. Specialisation course: World Englishes, 4+2 ECTS
50. Specialisation course: World-formation in contrast, 3+2 ECTS
51. Translation theory, 1 ECTS
52. Translator's tools, 3 ECTS
53. Writing and text analysis I, 2 ECTS

### *Summer semester*

#### List of courses:

1. British literature 2, 1+3+2 ECTS
2. British literature: Beyond realism: the last 30 years of British prose, 3+2 ECTS
3. Contrastive grammar, 4 ECTS
4. Culture studies L: History of theatre: 1+3+2 ECTS
5. Didactics of English teaching 2, 4 ECTS
6. English studies, Twentieth-century British women's fiction, 3+2 ECTS
7. English studies: Fairies in tradition and literature, 3+2 ECTS
8. English studies: Middle English and renaissance literature, 3+2 ECTS
9. English studies: Rhetoric and persuasion: from Aristotle to Twitter, 3+2 ECTS
10. English studies: the Disney version, or how to do Disney films change their input material, 3+2 ECTS
11. Integrated skills – module 2M, 6 ECTS
12. Linguistics: Accents of English, 3+2 ECTS
13. Linguistics: Discourse semantics, 3+2 ECTS
14. Linguistics: Language Contract in Ireland and the British Isles, 3+2 ECTS
15. Linguistics: Old English and Anglo-saxon England, 3+2 ECTS
16. Linguistics: Translation in intercultural contexts – culture, language, meaning, 3+2 ECTS
17. Phonetics 2, 2 ECTS
18. Practical grammar 2, 2 ECTS
19. Specialisation course: Communicating across cultures, 4+2 ECTS
20. Specialisation course: Film history, 3+2 ECTS
21. Writing and text analysis II, 2 ECTS

## **Institute of Russian Studies:**

### *Winter semester*

#### List of courses:

1. Вступление в теорию и методологию перевода, 3 ECTS
2. Грамматика русского языка (морфология) – функциональный аспект
3. История русской литературы первой половины XIX – начала XX вв.
4. История русской литературы первой половины XIX – начала XX вв., 4 ECTS
5. История русской литературы после 1917 года, 4 ECTS
6. Перевод литературных текстов
7. Перевод нелитературных текстов
8. Практика русской речи (письмо), 2 ECTS
9. Практика русской речи (практическая фонетика, практическая грамматика с орфографией), 3 ECTS
10. Практика русской речи, 2 ECTS
11. Русский язык в сфере бизнеса, 2 ECTS
12. Русский язык в сфере туризма, 2 ECTS
13. Современная русская лексикография, 4 ECTS
14. Украинский язык с элементами функциональной грамматики, 4 ECTS
15. Филологический анализ текста, 2 ECTS

### *Summer semester*

#### List of courses:

1. Грамматика русского языка (синтаксис) – функциональный аспект, 4 ECTS
2. Из истории русского кинематографа, 2 ECTS
3. Избранные вопросы теории перевода (sem. letni I r. st. II st.)
4. История русской литературы XI – нач. XIX вв.
5. История русской литературы XI – нач. XIX вв., 5 ECTS
6. История русской литературы первой половины XIX – начала XX вв., 4 ECTS
7. Перевод юридических текстов
8. Практика русской речи (говорение и аудирование, письмо), 2 + 1 ECTS
9. Практика русской речи (говорение и аудирование, письмо), 2 + 2 ECTS
10. Практика русской речи (говорение и аудирование, письмо), 4 + 4 ECTS
11. Практика русской речи (говорение и понимание, письмо), 4 + 4 ECTS
12. Практика русской речи (грамматика + орфография), 2 ECTS
13. Практика русской речи (грамматика + орфография), 3 ECTS
14. Русский язык в бизнесе, 2 ECTS
15. Русский язык в специальных целях (модуль: бизнес), 2 ECTS
16. Русский язык в специальных целях (модуль: бизнес), 4 ECTS
17. Русский язык в сфере бизнеса
18. Русский язык в сфере туризма, 2 ECTS
19. Русский язык в сфере туризма, 5 ECTS
20. Украинский язык с элементами функциональной грамматики, 4 ECTS
21. Функциональная стилистика русского языка, 3 ECTS

## **FACULTY OF PHILOSOPHY AND HISTORY - 02**

### *Winter and Summer semester*

#### List of courses:

1. Aesthetic of jazz, 6 ECTS
2. Art, Philosophy, Criticism. Aesthetic Dilemmas of Modernity, 6 ECTS
3. Cognitive Science. Selected Topics, 6 ECTS
4. Computational Theories of Mind, 6 ECTS



5. Contemporary Theories of Proper Names and Natural Kind Terms, 6 ECTS
6. Epistemology 1: A History, 6 ECTS
7. Formal linguistics and logic, 6 ECTS
8. General logic, 6 ECTS
9. Historians & Historiography in service of Rome and Constantinople, 5 ECTS
10. History of XX Century Polish Art: Avant-Garde, Neo-Avant-Garde, Postmodernism, 6 ECTS
11. History of Architecture 15<sup>th</sup> – 18<sup>th</sup> century and Polish Art History 16<sup>th</sup> – 18<sup>th</sup> century, 6 ECTS
12. History of Art 17<sup>th</sup> – 18<sup>th</sup> century – Europe and South America, 6 ECTS
13. History of Empires in the Eastern-Central Europe between the 16<sup>th</sup> and 18<sup>th</sup> centuries, 5 ECTS
14. History of Logic, 6 ECTS
15. History of medieval Poland, 5 ECTS
16. History of the European Political Thought in 19-20<sup>th</sup> Century, 5 ECTS
17. Informal Logic. Dead Ends and Fallacies in Everyday Reasonings, 6 ECTS
18. Introduction to Classical Philosophy, 6 ECTS
19. Introduction to Contemporary Epistemology, 6 ECTS
20. Introduction to Political Philosophy, 6 ECTS,
21. Issues in Philosophy of Religion, 6 ECTS
22. Logic and Time; Introduction to Temporal Logics, 6 ECTS
23. Logic II, 6 ECTS
24. Many-valued Logics, 6 ECTS
25. Metaphysics and Ontology, 6 ECTS
26. Methodology of social research, 6 ECTS
27. Modal Logic. Theory and Possible Applications, 6 ECTS
28. Paraconsistent Logic, 6 ECTS
29. Philosophical Anthropology, 6 ECTS
30. Philosophy of Language, 6 ECTS
31. Poland and Poles during the Second World War, 5 ECTS
32. Polish Analytical Philosophy, 6 ECTS
33. Possible Worlds; Introduction to Modal Logics, 6 ECTS
34. Reasoning, Inference, Proof, Argument, 6 ECTS
35. Sex, Gender, and Family in Antiquity and the Middle Ages - (the Middle East, Greece, Rome & Byzantium), 5 ECTS
36. Speech Act Theory, 6 ECTS
37. Struggle for Empire. The wars on the seas and in the colonies of Euroatlantic states during the modern times (up to 1815), 5 ECTS
38. Tadeusz Kantor as performer, 6 ECTS
39. The history of Polish architecture – 20<sup>th</sup> century, 6 ECTS
40. The Ideologies of Architectural and Urban Space Production in a Socialist and Post-Socialist City. The Case of Łódź, 6 ECTS
41. The Middle East and Greece in Antiquity, 5 ECTS
42. Theories of Metaphor, 6 ECTS, 6 ECTS
43. Theory of Propositional Logics, 6 ECTS
44. Vegetarianism. Social and Cultural Aspect, 6 ECTS.

## **FACULTY OF BIOLOGY AND ENVIRONMENTAL PROTECTION - 04**

### *Winter semester*

List of courses:

1. Ecohydrology, 6 ECTS
2. Ecotoxicology, 6 ECTS
3. Environmental / Landscape Planning, 5 ECTS
4. Environmental Protection Politics, 3 ECTS
5. Environmental Modelling and Statistics, 3 ECTS
6. Estuarine and Coastal Ecohydrology, 5 ECTS
7. Molecular genetics, 6 ECTS
8. The human genome, 3 ECTS



9. Human genetics, 3 ECTS
10. Stem cells, 3 ECTS
11. Microbes and their hosts, 3 ECTS
12. Physiology of animals/Principles of neural sciences, 3 ECTS
13. Plant in vitro culture: theory and practice, 3 ECTS
14. Sustainable development- the challenge of XXI century, 3 ECTS
15. Paradise not yet lost- enormous biodiversity in waters, 6 ECTS

### *Summer semester*

List of courses:

1. Applied Aquatic Ecology, 4 ECTS
2. Urban Ecohydrology, 4 ECTS
3. Phytotechnologies & Phytoremediation, 5 ECTS
4. Wetlands & Land-Water Ecotones, 3 ECTS
5. Applied Hydrology, 4 ECTS
6. Molecular genetics II, 3 ECTS
7. Genetic engineering, 3 ECTS
8. Dental Anthropology, 3 ECTS
9. Freshwater ecology, 3 ECTS
10. DNA damage and repair, 6 ECTS
11. Cell cycle, apoptosis and cancer, 3 ECTS
12. Insect diversity and adaptations, 3 ECTS
13. Fluorescence and fluorescence probes in biological research, 3 ECTS
14. Ecology of Parasitism, 3 ECTS

## **FACULTY OF LAW AND ADMINISTRATION - 05**

### *Winter semester*

List of courses:

1. European Economic Law, 4 ECTS
2. International Criminal Law, 4 ECTS
3. Introduction to Criminal Law (part 1; part 2), 4 ECTS
4. Introduction to European Institutional Law, 6 ECTS
5. Introduction to Public Law, 6 ECTS
6. Oldest Legal Systems in the World. A History of Ancient Near Eastern Law , 4 ECTS
7. Polish Labour Law and Industrial Relations, 4 ECTS
8. Protection of fundamental rights in the EU, 4 ECTS

### *Summer semester*

List of courses:

1. American civil procedure, 4 ECTS
2. Anti- discrimination Law, 4 ECTS
3. Classical Republican and Liberal Traditions in the System of Polish Public Law, 4 ECTS
4. Competition Law and State Aid, 4 ECTS
5. Eastern Partnership – Enhancement of the EU's political and economic relations with its neighbours, 4 ECTS
6. Entertainment Law, 4 ECTS
7. Europäisches Wirtschaftsrecht, 4 ECTS
8. European Constitutional Law , 4 ECTS
9. European Labour Law, 4 ECTS
10. International and Comparative Tax Law, 4 ECTS
11. International Labour and Employment Law, 4 ECTS
12. International Tax Law, 4 ECTS
13. Introduction to Private Law, 4 ECTS
14. Law of the Internet, 4 ECTS





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|---|--|
| 15. Le droit anti- discrimination de l'UE, 4 ECTS                             | 19. The EU System of Judicial Protection, 4 ECTS       |
| 16. Polish Civil Procedure in European Law Perspective, 4 ECTS                | 20. The Protection of Human Rights, 2 ECTS             |
| 17. Polish Constitutional Law, 4 ECTS   | 21. The United States Income Tax System, 4 ECTS        |
| 18. Private International Law of the European Union (advanced course), 4 ECTS | 22. Актуальные проблемы конституционного права, 4 ECTS |

## **FACULTY OF ECONOMICS AND SOCIOLOGY - 06**

### *Winter and Summer semester*

#### List of courses:

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|---|--|
| 1. Business Systems, 6 ECTS                     | 9. Intercultural Communication, 6 ECTS         |
| 2. Communication in Organizations, 6 ECTS       | 10. International Accounting Standards, 6 ECTS |
| 3. Cost Accounting, 6 ECTS,                     | 11. International Trade Transactions, 6 ECTS   |
| 4. Derivatives Market, 6 ECTS                   | 12. Meditation for Management, 6 ECTS,         |
| 5. Economic History, 6 ECTS                     | 13. Public Relations, 6 ECTS                   |
| 6. Fiscal Policy in Theory and Practice, 6 ECTS | 14. Risk in Strategic Management, 6 ECTS       |
| 7. History of Economic Thought, 6 ECTS          | 15. Urban Sociology, 6 ECTS                    |
| 8. Human Resource Management, 6 ECTS            |  |

### *Winter semester*

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|--|---|
| 1. Banking Service – the Present and Future, 6 ECTS  | 13. Development of the Insurance Market in Poland, 6 ECTS |
| 2. Capital Market, 6 ECTS  | 14. Dividend Strategies of Companies, 6 ECTS              |
| 3. Cointegration Analysis, 6 ECTS  | 15. Entrepreneurship and an Own Company, 6 ECTS           |
| 4. Components of Sustainable Development as a source of Financing of Local Governments, 6 ECTS | 16. Establishing and running a small firm, 6 ECTS         |
| 5. Computer Assisted Economic Modelling, 6 ECTS  | 17. Evaluation of the EU Projects, 6 ECTS                 |
| 6. Contemporary Problems of World Economy, 6 ECTS  | 18. Evolution and Society, 6 ECTS                         |
| 7. Corporate Finance, 6 ECTS   | 19. Exchange Rate Modelling, 6 ECTS                       |
| 8. Creative Advertising, 6 ECTS  | 20. Family Business Development, 6 ECTS                   |
| 9. Creativity in Personnel Activities, 6 ECTS  | 21. Financial Control in Accounting, 6 ECTS               |
| 10. Culture and Communication, 6 ECTS  | 22. Financial Mathematics, 6 ECTS                         |
| 11. Demand Analysis, 6 ECTS  | 23. Food and Social Order, 6 ECTS                         |
| 12. Designing and Transforming Capitalism, 6 ECTS  | 24. Fundamentals of Logistics, 6 ECTS                     |
|  | 25. Game Theory and Economic Applications, 6 ECTS         |
|  | 26. Gender, Sexuality and Politics, 6 ECTS                |





27. Gewählte Wirtschaftsprobleme, 6 ECTS
28. Grundlagen der Europäischen Integration, 6 ECTS
29. Grundzüge der Mikroökonomie (in German), 6 ECTS
30. Housing Market, 6 ECTS
31. Innovation, Knowledge Flow and Worker Mobility, 6 ECTS
32. Intelligence and Success in Life, 6 ECTS
33. International Business Negotiations, 6 ECTS
34. International Trade Transactions, 6 ECTS
35. Introduction to Financial Econometrics, 6 ECTS
36. Labour Market Analysis, 6 ECTS
37. Local Community Studies, 3 ECTS
38. Local Journalism – characteristic features, specifics and problems, 6 ECTS
39. Macroeconomics, 6 ECTS
40. Managerial Skills, 6 ECTS
41. Media Communication in 21<sup>st</sup> Century, 6 ECTS
42. Microeconomía Intermedia (in Spanish), 6 ECTS
43. Microeconomics I, 10 ECTS
44. Modern Monetary Policy, 6 ECTS
45. Negotiations, 6 ECTS
46. Panel Data Analysis, 6 ECTS
47. Pathologies in Management, 6 ECTS
48. Policy Mix and Financial System Stability, 6 ECTS
49. Population and Society, 6 ECTS
50. Principles of Financing Sustainable Development, 6 ECTS
51. Project Management Methodology, 6 ECTS
52. Public Debt Management – Theoretical Background and Practical Implications, 6 ECTS
53. Quantitative Methods in Financial Market Analysis, 6 ECTS
54. Research Design and Data Collection Methodology, 6 ECTS
55. Systema nacjonalnych szcietow, 6 ECTS
56. Social and Cultural Aspects of Doing Business in Japan, 6 ECTS
57. Social Inequalities, 6 ECTS
58. Spatial Analysis, 6 ECTS
59. Spatial Economic Analysis, 6 ECTS
60. Statistical Methods in Management, 6 ECTS
61. Sociology of Crime, 6 ECTS
62. System of Education and Labour Market – a Sociological Perspective, 6 ECTS
63. The Protection of Human Rights, 6 ECTS
64. Ustojczywoje rozwitije, 6 ECTS
65. Wealth and Poverty of Nations, 6 ECTS
66. Work and Identity, 6 ECTS.

### *Summer semester*

1. Computer Assisted Economic Modelling, 6 ECTS
2. Economy and Environment, 6 ECTS
3. Economic Policy (in EU), 6 ECTS
4. Financial Accounting, 6 ECTS
5. Financial Statements Analysis, 6 ECTS
6. Foundation of Mathematics, 6 ECTS
7. International Economic Policy, 6 ECTS
8. International Trade Transactions, 6 ECTS
9. Introducción a la Macroeconomía (in Spanish), 6 ECTS
10. Labour Market Economics, 6 ECTS
11. Macroeconomics I, 10 ECTS
12. Microeconomics (Advanced), 6 ECTS
13. Persuasive Communication in Leadership, 6 ECTS
14. Qualitative Methods of Market Research, 6 ECTS
15. Social and Cultural Aspects of Doing Business in Asia, 6 ECTS
16. Social Capital and Economic Development, 3 ECTS



17. Social Responsibility of Business, 6 ECTS
18. Sociology of Sport, 6 ECTS
19. Statistic Methods for Decision Making, 6 ECTS
20. Stock Exchange Market, 6 ECTS

## **FACULTY OF EDUCATIONAL SCIENCES - 07**

### *Winter semester*

List of courses:

1. Developmental Social Psychology, 4 ECTS
2. People Cross Cultures (psychological view), 4 ECTS
3. Selected methods of work with family, 5 ECTS
4. Selected Social Research Methods, 5 ECTS
5. Social Problems in Public Discourse, 4 ECTS
6. Youth Community Work in Impoverished Areas, 5 ECTS

### *Summer semester*

List of courses:

1. Educational Leadership - 3 ECTS
2. Family Child Abuse - 5 ECTS
3. Introduction to Psychopathology and Clinical Psychology - 5 ECTS
4. Organizational and work psychology - 4 ECTS
5. Professionalization and Supervision in Social Work - 5 ECTS
6. Psychology of Creativity - 4 ECTS
7. Reproductive Psychology - 4 ECTS
8. Selected Menaces to Child Development - 3 ECTS

## **FACULTY OF MANAGEMENT - 08**

### *Winter semester*

List of courses:

1. Applied Mathematics and Statistics for Business, 7 ECTS
2. Business Environment, 3 ECTS
3. Computer information systems for business process optimization, 4 ECTS
4. Corporate Finance, 3 ECTS
5. E-logistics systems and tools, 4 ECTS
6. Excellence Management Tools, 3 ECTS
7. Fundamentals of Management, 7 ECTS
8. HRM and Organization Development, 6 ECTS
9. International Marketing (in German), 6 ECTS
10. Introduction to databases, 5 ECTS
11. IT Tools for Business, 6 ECTS
12. Logistics supply and distributions, 4 ECTS
13. Management Information Systems, 3 ECTS
14. Managerial Accounting, 5 ECTS
15. Market and Marketing, 5 ECTS
16. Organization Competencies and Capabilities, 6 ECTS
17. Performance Measurement, 6 ECTS
18. Professional Skills Development, 5 ECTS
19. Understanding Business I, 6 ECTS

### *Summer semester*



List of courses:

1. Accounting and Finance, 6 ECTS
2. Applied Corporate Finance, 3 ECTS
3. Corporate governance, 6 ECTS
4. Databases II, 6 ECTS
5. Economic statistics in logistics, 5 ECTS
6. Economics, 6 ECTS
7. Information systems for logistic processes I, 6 ECTS
8. Introduction to Database Management Systems, 6 ECTS
9. Introduction to Law, 6 ECTS
10. Logistics systems security, 3 ECTS
11. Marketing im Bankwesen (in German), 6 ECTS
12. Optimization in logistics, 5 ECTS
13. Organizational Behavior, 3 ECTS
14. Project Development, 9 ECTS
15. Supply Chain Risk Management, 6 ECTS
16. Understanding Business II, 6 ECTS

*Winter and Summer semester*

List of courses:

1. Ausländische Investitionen in Polen (in German), 6 ECTS
2. Bedingungen der Wirtschaftsaktivitäten der kleinen und mittelständischen Unternehmen in Polen (in German), 6 ECTS
3. Business Ethics, 6 ECTS
4. Corporate Social Responsibility, 6 ECTS
5. Decision Making, 6 ECTS
6. European Regional Policy, 6 ECTS
7. Financial Accounting (F3 ACCA), 6 ECTS
8. Global Business Challenges – business game, 6 ECTS
9. Inländische Unternehmungen auf den ausländischen Märkten (in German), 6 ECTS
10. Management Accounting (F2 ACCA), 6 ECTS
11. Management of Non-Governmental Organizations, 6 ECTS
12. Marketing Communication, 6 ECTS
13. Ordenación del territorio y medio ambiente (in Spanish), 6 ECTS
14. Organisational Culture, 9 ECTS
15. Public Finance, 6 ECTS
16. Qualitative Research Methods in Business, 6 ECTS
17. Sustainability Standards, 9 ECTS

## **FACULTY OF MATHEMATICS AND COMPUTER SCIENCE - 11**

*Winter semester*

List of courses:

1. Advanced Programming Techniques, 6 ECTS
2. Algebra and Number Theory, 6 ECTS
3. Algorithmic Techniques, 5 ECTS
4. Algorithms and Complexity (IGL), 5 ECTS
5. Artificial Intelligence, 6 ECTS
6. Computer Aided Calculations, 5 ECTS
7. Computer Graphics, 6 ECTS
8. Discrete Mathematics, 5 ECTS
9. History of Computer Science, 3 ECTS
10. Introduction to Computer Science, 6 ECTS
11. Introduction to Databases, 6 ECTS
12. Introduction to Programming, 6 ECTS
13. IT Work Environment, 4 ECTS
14. Logic with Elements of Set Theory, 4 ECTS
15. Machine-Language Programming, 6 ECTS.
16. Methods of Probability and Statistics (IGL), 5



- ECTS  
17. Modelling and Analysis of Computer Systems, 5 ECTS

18. Object-Oriented Programming, 5 ECTS  
19. Programming Web Services, 5 ECTS

*Summer semester*

List of courses:

- |   |   |
|---|---|
| 1. Advanced Algorithms (IGL), 6 ECTS        | 8. Introduction to Operating Systems, 6 ECTS    |
| 2. Application Servers, 5 ECTS.             | 9. Mathematical Analysis 1, 5 ECTS              |
| 3. Architecture of Computer Systems, 3 ECTS | 10. Operations Research, 5 ECTS                 |
| 4. Basic Programming, 3 ECTS                | 11. Programming and Data Structures, 6 ECTS     |
| 5. Computer Networks, 5 ECTS                | 12. Programming Paradigms and Languages, 5 ECTS |
| 6. Database Systems, 3 ECTS                 | 13. Software Engineering (IGL), 6 ECTS          |
| 7. Graph and Network Theory, 5 ECTS         |   |

## **FACULTY OF INTERNATIONAL AND POLITICAL STUDIES - 13**

*Winter semester*

List of courses:

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|--|--|
| 1. Academic Writing in English, 3+2 ECTS,  | 19. Gender & Academic and Creative Writing, 5+2 ECTS,                              |
| 2. American Welfare State, 3+2 ECTS,   | 20. Gender Representations in Advertising, 5+2 ECTS,                               |
| 3. Basics of Effective Communication and Presentation, 5+2 ECTS,                   | 21. Globalisation and Regionalisation, 3+2 ECTS,                                   |
| 4. British Society and Culture, 4+2 ECTS,  | 22. Global Markets, 4+2 ECTS,  |
| 5. Consumer Behaviour, 3+2 ECTS,   | 23. Historia y politica de los movimientos insurgents en America Latina, 4+2 ECTS, |
| 6. Contemporary Political and Media Satire, 3+2 ECTS,                              | 24. History-Culture-Politics, 3+2 ECTS,  |
| 7. Cultural aspects of marketing, 3+2 ECTS,  | 25. History of International Relations, 3+2 ECTS,                                  |
| 8. DDR, BRD und Deutschland nach 1945, 4+2 ECTS,                                   | 26. Information Technologies in Management, 4+2 ECTS,                              |
| 9. Economic Policy, 4+2 ECTS,  | 27. International Economic Relations, 5+2 ECTS,                                    |
| 10. Economics, 4+2 ECTS,   | 28. International Financial Markets, 2+2 ECTS,                                     |
| 11. Effective Communication and Presentation, 4+2 ECTS,                            | 29. International Marketing, 3+2 ECTS,   |
| 12. Entrepreneurship and Business Planning, 7+2 ECTS,                              | 30. International Marketing Communication, 3+2 ECTS,                               |
| 13. Ethnomanagement, 3+2 ECTS,   | 31. International Political Relations, 2+2 ECTS,                                   |
| 14. Feminist Literature and Philosophy, 5+2 ECTS,                                  | 32. International Protection of Human Rights, 3+2 ECTS,                            |
| 15. Feminist Methodology: Interdisciplinary Methods in Women's Studies, 10+2 ECTS, | 33. International Public Law, 2+2 ECTS,  |
| 16. Feminist Theory: Between Difference and Diversity, 10+2 ECTS,                  | 34. International Security, 5+2 ECTS,  |
| 17. Foreign Language Spanish, 3+2 ECTS,  | 35. International Social Policy, 3+2 ECTS,   |
| 18. Fundamentals of Management, 5+2 ECTS,  |  |



36. Intersectionality and Audience Analysis in the Feminist Classroom, Part 2, 5+2 ECTS,
37. Introduction to International Marketing Communications, 5+2 ECTS,
38. Introduction to Multimedia Technology, 3+2 ECTS,
39. Introduction to the USA, 3+2 ECTS,
40. Introduction to US History, 3+2 ECTS,
41. Literary studies: introduction, 6+2 ECTS,
42. Marketing Management, 3+2 ECTS,
43. Methodology of Social Sciences and Humanities, 2+2 ECTS,
44. Minorities in the USA, 3+2 ECTS,
45. Multiculturalism: world-wide approaches, 4+2 ECTS,
46. Musical Culture, 2+2 ECTS,
47. National Minorities in Contemporary World, 3+2 ECTS,
48. Perception of actors in politics and business, 4+2 ECTS,
49. Performance studies: international approaches, 3+2 ECTS,
50. Philosophy, 6+2 ECTS,
51. Photography – aesthetics and technical issues, 3+2 ECTS,
52. Polish for Foreigners (only for the Faculty's students), 3+2 ECTS
53. Political and Economic Geography, 2+2 ECTS,
54. Political Cinema, 3+2 ECTS,
55. Political communication, 3+2 ECTS,
56. Political Marketing, 3+2 ECTS,
57. Political Parties, 4+2 ECTS,
58. Political Systems, 2+2 ECTS
59. Principles of Marketing, 7+2 ECTS,
60. Public and non-profit marketing, 4+2 ECTS,
61. Religion and the State, 3+2 ECTS,
62. Science of State, 3+2 ECTS,
63. Social psychology, 5+2 ECTS,
64. Sociology, 4+2 ECTS,
65. State environmental management, 3+2 ECTS
66. Statistics, 5+2 ECTS,
67. Strategic Management, 3+2 ECTS,
68. Theatre in the World: Survey, 6+2 ECTS,
69. The Body in the Feminist Theory and Practice, 5+2 ECTS,
70. Theory of International Relations, 3+2 ECTS,
71. The Promised Land: Immigrants and Minorities in the United States, 4+2 ECTS,
72. War and Imperialism: Feminist and Postcolonial Perspectives on Nationalism, 5+2 ECTS,
73. Women's Movements Worldwide, 5+2 ECTS,
74. World's Religions and Philosophical Systems, 4+2 ECTS

### *Summer semester*

List of courses:

1. Advertising, 2+2 ECTS
2. Aesthetics and Beauty Canon, 3+2 ECTS
3. American Cinema – Key Concepts, 4+2 ECTS
4. American Ideology in Popular Culture, 3+2 ECTS
5. American Television Series, 3+2 ECTS
6. Basics of Effective Communication and Presentation, 5+2 ECTS
7. Brand Management, 3+2 ECTS
8. Choices, Challenges and Chances of Sino-US Relations, 4+2 ECTS
9. Colonial and Postcolonial Encounters, 3+2 ECTS
10. Demography, 2+2 ECTS
11. Deutschland in der Gegenwart (nach 1945), 3+2 ECTS
12. Development Economics, 3+2 ECTS
13. Economic Law of EU, 3+2 ECTS
14. Economics, 5+2 ECTS
15. E-marketing and Social Media, 5+2 ECTS
16. E-Marketing, 3+2 ECTS
17. Ethnomangement, 3+2 ECTS
18. Ethnopolitics in the contemporary world, 2+2 ECTS
19. European Integration, 3+2 ECTS
20. European political systems and elections, 4+2 ECTS
21. Film adaptations of world literature, 3+2 ECTS
22. Finance Management, 3+2 ECTS
23. Foreign Language: German
24. Foreign Language: Spanish
25. Fundamental of Finance, 5+2 ECTS
26. Fundamentals of Human Resources Management, 5+2 ECTS



27. Fundamentals of Law, 2+2 ECTS
28. Gender and Welfare State: International Perspective, 5+2 ECTS
29. Human Resource Management, 2+2 ECTS
30. Human Rights and Gender, 5+2 ECTS
31. Humanities, Anthropology and Social Sciences: Methodology, 5+2 ECTS
32. Identidades de América Latina y Península Ibérica, 3+2 ECTS
33. Image creation in politics, 4+2 ECTS
34. Intellectual Property Rights, 2+2 ECTS
35. International Cultural Relations, 3+2 ECTS
36. International Economic Transactions, 2+2 ECTS
37. International Environmental Protection, 3+2 ECTS
38. International Media, 5+2 ECTS
39. International Organizations, 2+2 ECTS
40. Internet journalism workshop, 3+2 ECTS
41. Intersectionality and Audience Analysis in the Feminist Classroom, Part 1, 5+2 ECTS
42. Introduction Project Management, 7+2 ECTS
43. Introduction to Gender in Postmodern Visual Culture, 5+2 ECTS
44. Introduction to Thesis Writing
45. La Frontera and the New Mestiza Consciousness: Race, Ethnicity and Gender at the U.S-Mexican Border, 5+2 ECTS
46. Legacy of Antiquity in Modern Times, 3+2 ECTS
47. Los acontecimientos actuales en América Latina y Península Ibérica, 3+2 ECTS
48. Marketing Research, 3+2 ECTS
49. Masterpieces of World Literature, 4+2 ECTS
50. Men and Masculinities, 5+2 ECTS
51. Methodology of Social Research, 5+2 ECTS
52. Modern culture: Theories, 5+2 ECTS
53. Philosophical and Historical Aspects of Holocaust, 3+2 ECTS
54. Place Branding, 3+2 ECTS
55. Polish Foreign Policy, 2+2 ECTS
56. Polish language (only for the Faculty's students), 4+2 ECTS
57. Political Campaigns in the Media, 3+2 ECTS
58. Political transformation and transition, 3+2 ECTS
59. Principles of International Marketing, 7+2 ECTS
60. Project Management, 3+2 ECTS
61. Public Sector Management, 3+2 ECTS
62. Regions of the World: Regionalism, 5+2 ECTS
63. Religions in the USA, 3+2 ECTS
64. Religious and national minorities, 4+2 ECTS
65. Sales, Export and Business Negotiations, 6+2 ECTS
66. Shakespeare's Hamlet, or Sex, Lies and YouTube, 4+2 ECTS
67. Social and political movements, 5+2 ECTS
68. Social Media, 2+2 ECTS
69. Sociology of Organization, 4+2 ECTS
70. Special Relationship: the USA and the UK, 4+2 ECTS
71. State environmental management, 3+2 ECTS
72. Transatlantic Relations after WWII, 3+2 ECTS
73. US Politics, 3+2 ECTS
74. Visual culture, 3+2 ECTS
75. Youth cultures and subversion, 3+2 ECTS

#### Courses in Russian:

##### *Winter semester*

##### List of courses:

1. Управление регионами, крупными городами и органами местного самоуправления - политический аспект, 3+2 ECTS,
2. Культура-история-политика - Culture-politics-history, 3+2 ECTS,
3. Управление изменениями в политике и экономике, 3+2 ECTS,
4. Управление государственными органами, 3+2 ECTS.

##### *Summer semester*





List of courses:

1. Управление регионами, крупными городами и органами местного самоуправления - политический аспект, 3+2 ECTS
2. Культура-история-политика, 3+2 ECTS,
3. Управление изменениями в политике и экономике, 3+2 ECTS,

## **FACULTY OF GEOGRAPHY - 14**

### *Winter semester*

List of courses:

1. Tourist region, 4 ECTS
2. Туристический продукт (Turistyczny produkt), 4 ECTS
3. Туристское пространство (Turistckoe prostranstwo), 4 ECTS
4. Гостиничное хозяйство (Gostinicznoje hozjajstwo), 4 ECTS

### *Summer semester*

List of courses:

1. Global and regional climate resources, 4 ECTS
2. Mental Maps and images in geography, 4 ECTS
3. Sustainable Tourism and Ecotourism, 4 ECTS
4. Weather and climate impacts on society, 4 ECTS

### *Winter and Summer semester*

List of courses:

1. Conservation of culture heritage, 4 ECTS
2. Geography of Culture – Reading, Doing, Watching, 4 ECTS
3. Introduction to Geographic Information System, 4 ECTS
4. Landscapes of Poland, 4 ECTS
5. Prices in hotel industry, 4 ECTS
6. Urban regeneration, 4 ECTS
7. Агротуризм как элемент развития сельскохозяйственных территорий (Agroturizm jak element rozwitia selskohozjajstwiennych terrotoij), 4 ECTS

## **FACULTY OF PHYSICS AND APPLIED INFORMATICS – 15**

### *Winter and Summer semester*

List of courses:

1. Advanced Programming I, 5 ECTS
2. Group Project, 3 ECTS
3. Interfaces - Programming and Visualization, 4 ECTS





4. Internet Windows Design, 2 ECTS
5. Introduction to AutoCad, 2 ECTS
6. Mathematical Analysis I, 5 ECTS
7. Modern Electronics in Physics, 5 ECTS
8. Programming of Digital Systems, 4 ECTS
9. Specialization Lab, 6 ECTS

*Winter semester*

List of courses:

1. Advanced Computational Methods, 4 ECTS
2. Advanced Database Technologies, 2 ECTS
3. Advanced Programming II, 5 ECTS
4. Algebra and Geometry, 5 ECTS
5. Algebra II, 2 ECTS
6. Algorithms Analysis, 6 ECTS
7. Basic of Digital Technology, 3 ECTS
8. Basics of Computer Graphics, 4 ECTS
9. Basics of Informatics, 2 ECTS
10. Classical Electrodynamics, 3 ECTS
11. Complexity of Algorithms, 3 ECTS
12. Computer and Periphered Devices, 2 ECTS
13. Computer Graphics in Mobile Devices, 5 ECTS
14. Computer Network Security, 4 ECTS
15. Computer Networks Designing, 5 ECTS
16. Computer Networks, 5 ECTS
17. Computer Systems Architecture, 2 ECTS
18. Computer Technics in Medicine, 2 ECTS
19. Concurrent and Distributed Programming, 5 ECTS
20. Cryptography, 2 ECTS
21. Data Analysis, 3 ECTS
22. Data Mining, 5 ECTS
23. Data Presentation Techniques, 1 ECTS
24. Database Applications in Java EE, 3 ECTS
25. Database Systems, 4 ECTS
26. Designing of Mobile Games, 5 ECTS
27. Differential Equations in Physics, 4 ECTS
28. Digital Media, 3 ECTS
29. Directory Services in Linux (UNIX) Operating System, 3 ECTS
30. Distributed Databases, 5 ECTS
31. Distributed Systems, 4 ECTS
32. Elaboration Methods of Measurement Data, 3 ECTS
33. Ethics and Procedures Code in Computer Science, 1 ECTS
34. Experimental Methods of Modern Physics, 3 ECTS
35. Foundations of Quantum Physics, 3 ECTS
36. Fundamentals of Entrepreneurship, 1 ECTS
37. Gauge Theories, 2 ECTS
38. General Physics II, 9 ECTS
39. Internet Applications, 1 ECTS
40. Introduction to ASP.NET framework, 3 ECTS
41. Introduction to Computer Modelling, 3 ECTS
42. Introduction to Electronics, 2 ECTS
43. Introduction to Mathematics, 9 ECTS
44. Introduction to Medical Physics, 1 ECTS
45. Introduction to Nanoelectronics, 2 ECTS
46. Introduction to Nanotechnology, 1 ECTS
47. Introduction to Nanotechnology, 2 ECTS
48. Introduction to Physics, 9 ECTS
49. Introduction to Programming, 2 ECTS
50. Introduction to Quantum Computers, 2 ECTS
51. Introduction to Telecommunication, 3 ECTS
52. Logic in Computer Science, 2 ECTS
53. Mathematical Methods in Physics, 4 ECTS
54. Microprocessors Systems, 4 ECTS
55. Mobile Software Development, 3 ECTS
56. Modelling and Simulations, 3 ECTS
57. Modern Methods of Medical Imaging, 3 ECTS
58. MS Office Applications, 1 ECTS
59. Multimedia - Digital Sound Processing, 5 ECTS
60. Nanostructures II, 3 ECTS
61. Network Information Theory, 4 ECTS
62. Optimization Methods, 6 ECTS

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| <ul style="list-style-type: none"> <li>63. Patient and Staff Exposure to Ionising Radiation in Medical Application, 2 ECTS</li> <li>64. Physical Basics of Medical Imaging, 2 ECTS</li> <li>65. Physical Lab I (part 2), 3 ECTS</li> <li>66. Physical Lab II (part 1), 9 ECTS</li> <li>67. Physics around us, 1 ECTS</li> <li>68. Physics, 5 ECTS</li> <li>69. PLM Software, 2 ECTS</li> <li>70. Principles of Acoustics, 2 ECTS</li> <li>71. Probabilistic Methods and Statistics, 4 ECTS</li> <li>72. Probability Theory and Statistics, 6 ECTS</li> <li>73. Programmer's Working Environment: Network Security, 1 ECTS</li> <li>74. Programmer's Working Environment: Office Tools, 1 ECTS</li> <li>75. Programmer's Working Environment: Programming Tools, 1 ECTS</li> <li>76. Programmer's Working Environment: Communication and Cooperation Tools, 1 ECTS</li> <li>77. Programming I, 4 ECTS</li> <li>78. Programming III, 3 ECTS</li> </ul> | <ul style="list-style-type: none"> <li>79. Qt Multiplatform Programming, 4 ECTS</li> <li>80. Quantum Physics, 9 ECTS</li> <li>81. Quantum Theory of Solid State, 3 ECTS</li> <li>82. Radiotherapy, 4 ECTS</li> <li>83. Raster Computer Graphics, 3 ECTS</li> <li>84. Selected Problems of Atomic, Molecular and Solid State Physics, 3 ECTS</li> <li>85. Selected Problems of Nuclear Physics, 4 ECTS</li> <li>86. Selected Topics in Nuclear and Particle Physics, 4 ECTS</li> <li>87. Selected Topics of Relativistic Physics, 2 ECTS</li> <li>88. Services Active Directory, 5 ECTS</li> <li>89. Specialization II - Medicine IT Systems/ DICOM, 4 ECTS</li> <li>90. Spectroscopic and Microscopic Methods in Biomedical Applications, 2 ECTS</li> <li>91. Technique of Nanometer Structures Investigations, 6 ECTS</li> <li>92. The Method of Second Quantization, 3 ECTS</li> <li>93. Theoretical Physics, 9 ECTS</li> <li>94. User Interface, 1 ECTS</li> <li>95. X-Ray Physics, 3 ECTS</li> </ul> |
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### *Summer semester*

List of courses:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1. 3D Graphics and Animation, 3 ECTS</li> <li>2. Algebra, 6 ECTS</li> <li>3. Artificial Neural Networks, 3 ECTS</li> <li>4. Asembler, 3 ECTS</li> <li>5. Basics of Electrotechnics and Electronics, 3 ECTS</li> <li>6. Classical and Relativistic Mechanics, 3 ECTS</li> <li>7. Computer Algebra Systems, 4 ECTS</li> <li>8. Computer Project Management, 5 ECTS</li> <li>9. Computer Steering and Robotics, 3 ECTS</li> <li>10. Computer-Aided Mathematics, 1 ECTS</li> <li>11. Contemporary Electronic and Computer Techniques in Medicine, 2 ECTS</li> <li>12. Control Systems of Measures Apparatus, 7 ECTS</li> <li>13. Cosmic Ray Physics, 3 ECTS</li> <li>14. Data Protection, 4 ECTS</li> <li>15. Databases II, 2 ECTS</li> <li>16. Designing of Applications in ASP.NET, 3 ECTS</li> </ul> | <ul style="list-style-type: none"> <li>17. Desktop Publishing, 1 ECTS</li> <li>18. Discrete Mathematics, 5 ECTS</li> <li>19. Error correcting codes, 4 ECTS</li> <li>20. General Physics I, 10 ECTS</li> <li>21. General Physics III, 6 ECTS</li> <li>22. GUI Programming, 5 ECTS</li> <li>23. History of Natural Science, 1 ECTS</li> <li>24. Information Theory, 4 ECTS</li> <li>25. Interactions of Ionizing Radiation and its Detection, 2 ECTS</li> <li>26. Introduction to Atomic, Molecular and Solid State Physics, 1 ECTS</li> <li>27. Introduction to Biophysics, 2 ECTS</li> <li>28. Introduction to Distributed Systems, 2 ECTS</li> <li>29. Ionizing Radiation Sources, 2 ECTS</li> <li>30. Java - Advanced Technologies, 3 ECTS</li> <li>31. LAN Administration, 4 ECTS</li> <li>32. Mathematical Analysis III, 8 ECTS</li> <li>33. Mobile Applications Development, 4 ECTS</li> <li>34. Mobile Games Design, 4 ECTS</li> </ul> |
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35. Modern Physical Measurements, 3 ECTS
  36. Nanostructures I, 4 ECTS
  37. Nanotechnology, 2 ECTS
  38. Network Multimedia, 4 ECTS
  39. Network Traffic Management, 4 ECTS
  40. Nuclear Physics Lab, 5 ECTS
  41. Nuclear Transmutations and Applications of Nuclear Physics, 2 ECTS
  42. Numerical Methods, 2 ECTS
  43. Operating Systems, 5 ECTS
  44. Physical Lab I (part 1), 3 ECTS
  45. Physical Lab I (part 3), 3 ECTS
  46. Physical Lab II (part II), 9 ECTS
  47. Physics of Condensed Phase, 9 ECTS
  48. Pragmatic of Nanotechnology, 3 ECTS
  49. Programming II, 5 ECTS
  50. Programming in Android OS, 3 ECTS
  51. Programming in Logic/Prolog, 4 ECTS
  52. Programming in Windows Mobile, 5 ECTS
  53. Quantum Information Theory, 3 ECTS
  54. Quantum Mechanics I, 6 ECTS
  55. Security of IT infrastructure, 5 ECTS
  56. Selected Problems of Modern Electronics, 5 ECTS
  57. Selected Problems of Nuclear and Elementary Particle Physics, 3 ECTS
  58. Selected Topics of Astrophysics and Cosmology, 2 ECTS
  59. Selected Topics of Atomic, Molecular and Condensed Matter Physics, 4 ECTS
  60. Statistical Pattern Recognition Methods, 4 ECTS
  61. Statistics in Medicine, 3 ECTS
  62. Symmetries in Physics, 3 ECTS
  63. The History of Physics, 1 ECTS
  64. The Physical Elements of Nanotechnology, 5 ECTS
  65. Theory of Elementary Particles, 3 ECTS
  66. Thermodynamics and Statistical Physics, 3 ECTS
- I. Administration of Network Infrastructure, 2 ECTS
  - II. Algorithms and Data Structures, 5 ECTS
  - III. Applications and Services for BlackBerry OS, 3 ECTS
  - IV. Applications of Computer Graphics, 6 ECTS
  - V. Basic of Advanced Interactive Executive, 3 ECTS
  - VI. Computer Graphics Programming, 5 ECTS
  - VII. Crossplatform Programming in Java, 4 ECTS
  - VIII. Database Applications in Java, 4 ECTS
  - IX. Introduction to Semantic Technologies, 2 ECTS
  - X. Managing Linux/Unix, 6 ECTS
  - XI. Managing Microsoft Windows, 6 ECTS
  - XII. Mathematical Analysis II, 5 ECTS
  - XIII. Mobile Systems, 6 ECTS
  - XIV. Object Oriented Languages, 3 ECTS
  - XV. PHP, 5 ECTS
  - XVI. Plastic Space Processing, 3 ECTS
  - XVII. Software Engineering, 5 ECTS

## **FACULTY OF CHEMISTRY - 16**

### *Winter semester*

List of courses:

1. Application of Math in Chemistry, 6 ECTS
2. Chemistry of Flavours and Fragrances, 6 ECTS
3. Chemistry of Therapeutics, 2 ECTS
4. Instrumental Analysis B, 7 ECTS
5. Spectroscopy B, 6 ECTS

### *Summer semester*

List of courses:



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1. Application of Spectroscopic Techniques for Analysis of Comp., 5 ECTS
2. Modern Methods of Total Synthesis, 2 ECTS
3. Selected Separation Techniques for Analysis of Cosmetics, 6 ECTS
4. Theoretical Chemistry, 8 ECTS.

➤ *If you have any questions how to choose the subjects and fill in the Learning Agreement, please contact [katarzyna.ciupa@uni.lodz.pl](mailto:katarzyna.ciupa@uni.lodz.pl)*