



## LEARNING AGREEMENT COURSE SELECTION winter semester 2019/2020

### FACULTY OF BIOLOGY AND CHEMISTRY

#### Institute of Biology

- 1. Botany – 6 ECTS
- 2. Freshwater biology – 6 ECTS
- 3. Biochemistry – 6 ECTS
- 4. Genetics – 6 ECTS
- 5. Ecology – 6 ECTS
- 6. Plant physiology – 6 ECTS
- 7. Animal physiology – 6 ECTS
- 8. Molecular technics in biology I – 6 ECTS
- 9. Toxicology – 6 ECTS
- 10. Biologival invasions – 6 ECTS
- 11. Inventory methods for ungulates – 6 ECTS
- 12. Water protection – 6 ECTS
- 13. Forensic biology – 6 ECTS
- 14. Butterfly ecology and conservation – 6 ECTS
- 15. An introduction to bird ringing - - 3 ECTS
- 16. Animal bioacoustics in theory and practice – lecture & field course – 3 ECTS
- 17. Avian Biology – lecture – 2 ECTS
- 18. Biology of peatlands – lecture – 2 ECTS
- 19. Ecological genetics – lecture & laboratory – 2 ECTS
- 20. Environmental biochemistry – lab 2 ECTS
- 21. Evolutionary Ecology – lecture 2 ECTS
- 22. Experimental botany – field course – 3 ECTS
- 23. Floodplain ecology – lecture & field course – 3 ECTS
- 24. Freshwater ecosystems – lab & field course – 3 ECTS
- 25. Harmful algae – lecture – 2 ECTS
- 26. Introduction to Molecular Biophysics – lecture & lab – 3 ECTS
- 27. Monitoring of freshwater ecosystems – lecture & field course – 3 ECTS
- 28. Natura 2000 network – field course – 3 ECTS
- 29. Natural Environment of North East Poland – lecture – 2 ECTS
- 30. Physiological Ecology – lecture – 2 ECTS
- 31. Plant breeding systems – field course – 3 ECTS
- 32. Plant population ecology – field course – 3 ECTS
- 33. Reactive oxygen and nitrogen species in health and disease – lecture & laboratory – 2 ECTS
- 34. Road ecology – fields course – 2 ECTS



- 35. Scientific Methodology and Experimental Design – laboratory – 2 ECTS
- 36. Selected data analysis techniques for biologists – laboratory – 2 ECTS
- 37. Soils and landscape – lecture & field course – 2 ECTS
- 38. Techniques in Plant Physiology – lab – 3 ECTS
- 39. Techniques of molecular biology – laboratory – 3 ECTS
- 40. Thermal biology – lecture – 2 ECTS
- 41. Urban ecology and wildlife – lecture – 3 ECTS

## **Institute of Chemistry**

- 1. Theoretical chemistry – 3 ECTS
- 2. Instrumental analysis – 6 ECTS
- 3. Molecular modelling – 2 ECTS
- 4. Instrumental laboratory – 6 ECTS
- 5. Molecular spectroscopy - 5 ECTS
- 6. Advanced inorganic chemistry – 5 ECTS
- 7. Advanced organic chemistry – 8 ECTS
- 8. Chemical electroanalysis - 8 ECTS
- 9. Theoretical chemistry II - 5 ECTS
- 10. Programming languages - 3 ECTS
- 11. MSc seminar - 7 ECTS
- 12. MSc laboratory - 12 ECTS
- 13. The use of biosensors in contemporary medical diagnosis – 1 or 3\* ECTS
- 14. Theoretical modeling of chemical processes – 1 or 3\* ECTS
- 15. General chemistry I - 8 ECTS
- 16. Foreign language course - 2 ECTS
- 17. Analytical chemistry II – 7 ECTS
- 18. Inorganic chemistry – 6 ECTS
- 19. Theoretical chemistry - 3 ECTS
- 20. Basics of crystallography – 3 ECTS
- 21. Physical chemistry II - 7 ECTS
- 22. Organic chemistry II – 9 ECTS
- 23. Chemistry of materials - 3 ECTS
- 24. Basics of nanomaterials – 1 or 2\* ECTS

\*Examination ECTS = 2 or 3, credit without examination ECTS 1

## **FACULTY OF ECONOMICS AND MANAGEMENT**

- 1. Local Government Finance - 4 ECTS
- 2. Innovation and innovative policy – 5 ECTS
- 3. Descriptive Statistics – 5 ECTS
- 4. Mathematics - ... ECTS



- 5. Economics of economic integration - ... ECTS
- 6. Finance of enterprise - ... ECTS
- 7. Demography – 5 ECTS
- 8. Taxation of Business Entities – 3 ECTS
- 9. Spatial Planning – 6 ECTS
- 10. Accounting foundations – 5 ECTS
- 11. Public finance – 5 ECTS
- 12. Microeconomics – 6 ECTS
- 13. Macroeconomics – 6 ECTS
- 14. Econometrics I – 8 ECTS
- 15. Economic Integration - ... ECTS
- 16. Environmental economics – 6 ECTS
- 17. Economic geography – 4 ECTS
- 18. Social and Economic Policy – 4 ECTS
- 19. Economic systems – 5 ECTS
- 20. Econometrics II – 6 ECTS
- 21. Economics of transportation – 6 ECTS
- 22. International Economics – 3 ECTS
- 23. Managerial economics - ... ECTS
- 24. Public sector economics – 4 ECTS
- 25. Forecasting economic processes – 6 ECTS
- 26. Business Law – 3 ECTS
- 27. The Basics of Management - 5 ECTS
- 28. Efficiency Assessment of Investment Project - ... ECTS
- 29. Management of Enterprise Finance - ... ECTS
- 30. Basic strategic management – 5 ECTS
- 31. EU project management – 5 ECTS
- 32. Leadership in Business – 3 ECTS
- 33. Logistics – 4 ECTS
- 34. International Marketing – 4 ECTS
- 35. Strategic Management – 6 ECTS
- 36. Innovation Management – 3 ECTS
- 37. Development Economics – 6 ECTS
- 38. Economic geography – 4 ECTS
- 39. Economic Statistics – 5 ECTS
- 40. Functioning of the EU – 6 ECTS
- 41. International Economics - ... ECTS
- 42. Enterprise International Finance - ... ECTS
- 43. Economic Statistics – 6 ECTS
- 44. International Business Finance - ... ECTS
- 45. Economic forecasting - ... ECTS



## FACULTY OF HISTORY AND SOCIOLOGY

- 1. History of Byzantium – 6 ECTS
- 2. Globalization in History – 6 ECTS
- 3. The history of ancient Rome – 8 ECTS
- 4. Diplomacy Protocol – 4 ECTS
- 5. International cultural relations – 6 ECTS
- 6. Contemporary terrorism and other asymmetric threats - 4 ECTS
- 7. Civil Society – 4 ECTS
- 8. History of diplomacy – 10 ECTS
- 9. Contemporary Polish and World History – 10 ECTS
- 10. Statistics in historical research – 8 ECTS
- 11. The Anthropology of Landscape – 10 ECTS
- 12. Threats to international security in the MENA – 6 ECTS
- 13. History of diplomacy – 10 ECTS
- 14. Renewable energy sources in MENA region (energy policy and energy security) – 4 ECTS
- 15. Information security in the 21<sup>st</sup> century – 6 ECTS
- 16. Quantitative Methods in Sociology – 6 ECTS
- 17. Statistical Methods in Sociology – 5 ECTS
- 18. Social Macrostructures – 6 ECTS
- 19. Sociology of Culture – 6 ECTS
- 20. Sociology of Nation – 4 ECTS

## FACULTY OF PHYSICS

- 1. Computer Tools – 3 ECTS
- 2. Astronomy - 3 ECTS
- 3. Elements of Theoretical Mechanics – 9 ECTS
- 4. Thermodynamics – 10 ECTS
- 5. Algorithms and Data Structures – 5 ECTS

## FACULTY OF LAW

- 1. Polish Administrative Law 6 - ECTS
- 2. Polish Constitutional Law – 6 ECTS
- 3. Polish Financial Law – 6 ECTS
- 4. Competition and Consumer Protection in the EU – 4 ECTS
- 5. Political Systems of the Central and Eastern European Countries – 4 ECTS
- 6. European Family Law – 6 ECTS
- 7. Introduction to the European Corporate Law – 6 ECTS



- 8. Introduction to the International Trade Law – 6 ECTS
- 9. International Organizations – 4 ECTS
- 10. European Criminal Law – 4 ECTS
- 11. EU Disability Law – 4 ECTS
- 12. Human Rights and Means of Their Protection – 6 ECTS
- 13. Human Rights in the European Union – 6 ECTS
- 14. EU Anti-Discrimination Law – 4 ECTS
- 15. Children Rights in Human Rights System – 6 ECTS
- 16. Constitutional Law of the European Union – 6 ECTS
- 17. Polish Criminal Law – 6 ECTS
- 18. Sociology of crimes and social pathologies – 4 ECTS
- 19. Theory and Practice of Restorative Justice – 4 ECTS
- 20. Introduction to the Forensic Science – 4 ECTS
- 21. Sociology of crimes and social pathologies – 4 ECTS
- 22. Polish Criminal Procedure – 6 ECTS
- 23. European Criminal Law – 4 ECTS
- 24. Criminology – 6 ECTS
- 25. Global and national aspects of road safety – 4 ECTS
- 26. Legal and Criminological Aspects of Cybercrime – 4 ECTS
- 27. Roman Law - ... ECTS
- 28. Introduction to Political Science – 6 ECTS
- 29. History of Law in Poland and in Europe – 6 ECTS
- 30. Political Participation of Foreigners as an Instrument of Integration – 4 ECTS
- 31. Direct Democracy in Europe – 4 ECTS
- 32. Private International Law – 6 ECTS
- 33. Intellectual Property Commercialization – 4 ECTS
- 34. The cooperation of entrepreneurs – 4 ECTS
- 35. Innovations in Budgeting and Financial Management – 6 ECTS
- 36. Legal English – 6 ECTS
- 37. Public relations for lawyers – 4 ECTS
- 38. Introduction to ADR – mediation, negotiation and arbitration procedures – 6 ECTS
- 39. Direct Democracy in Europe – 4 ECTS
- 40. Private International Law – 6 ECTS
- 41. Intellectual Property Commercialization – 4 ECTS
- 42. The cooperation of entrepreneurs – 4 ECTS
- 43. Innovations in Budgeting and Financial Management – 6 ECTS
- 44. Legal English – 6 ECTS
- 45. Public relations for lawyers – 4 ECTS
- 46. Introduction to ADR – mediation, negotiation and arbitration procedures – 6 ECTS
- 47. International Insolvency and Arbitration – 4 ECTS



## **FACULTY OF MATHEMATICS AND INFORMATICS**

- 1. Introduction of Graph Theory - 4 ECTS
- 2. Algebra I – 4 ECTS
- 3. Review of Application Software - 3 ECTS
- 4. Mathematical Analysis III - 3 ECTS
- 5. Topology – 4 ECTS
- 6. Elements of Cryptography and Coding Theory - 4 ECTS
- 7. Probability Calculus I - 4 ECTS
- 8. Affine and Projective Geometry - 4 ECTS
- 9. Numerical Methods - 6 ECTS
- 10. Mathematical Statistics - 5 ECTS
- 11. Probability Theory - 5 ECTS
- 12. Introduction to Structural Programming - 7 ECTS
- 13. Databases - 5 ECTS
- 14. Advanced Programming - 5 ECTS
- 15. Algorithms and Data Structures - 5 ECTS

## **FACULTY OF PEDAGOGY AND PSYCHOLOGY**

- 1. New Media Technologies in Educational, Cultural and Social Practice – 6 ECTS
- 2. Harvard Negotiation Model – 2 ECTS
- 3. Non-governmental Organizations in a Civil Society – 2 ECTS
- 4. Work with Culturally Diversed Group – 2 ECTS
- 5. Social Pathologies - 4 ECTS
- 6. Youth Subcultures – 4 ECTS
- 7. Practice in Socio-Therapeutic Day Care Centre – 6 ECTS
- 8. Comparative Education in Europe – 4 ECTS

## **FACULTY OF PHILOLOGY**

### **Cultural Studies**

- 1. New Media Technologies in Educational, Cultural and Social Practice – 6 ECTS

### **English Studies Bachelor Year 1**

- 1. PEL Practical Grammar 1 – 6 ECTS
- 2. PEL Practical Phonetics 1 – 6 ECTS



- 3. PEL Academic Writing 1 – 6 ECTS
- 4. PEL Vocabulary 1 – 6 ECTS
- 5. PEL Integrated Skills 1 – 5 ECTS
- 6. Introduction to General Linguistics – 2 ECTS
- 7. Descriptive Grammar of the English Language – practical classes – 4 ECTS
- 8. Descriptive Grammar of the English Language – Phonetics and Phonology – 3 ECTS
- 9. Introduction to Literary Studies – 2 ECTS
- 10. Introduction to the Theories of Language Learning and Teaching – 1 ECTS
- 11. Styles and Strategies of Foreign Language Learning – 2 ECTS

## **English Studies Bachelor Year 2**

- 1. PEL Practical Grammar 2 – 4 ECTS
- 2. PEL Practical Phonetics 2 – 4 ECTS
- 3. PEL Academic Writing 2 – 4 ECTS
- 4. PEL Integrated Skills – 4 ECTS
- 5. PEL Vocabulary 2 – 3 ECTS
- 6. Descriptive Grammar of the English Language – Morphology, Syntax, Semantics – 4 ECTS
- 7. History of the English Language I – 2 ECTS
- 8. History of the English Literature I – 5 ECTS
- 9. British Studies I – 4 ECTS
- 10. Culture and History of Great Britain 0 selected topics – 1 ECTS
- 11. Learning and Teaching Languages – 4 ECTS
- 12. Current trends in language education – 1 ECTS
- 13. Intercultural Education – 2 ECTS

## **English Studies Bachelor Year 3**

- 1. PEL Practical Grammar 3 – 1 ECTS
- 2. PEL Academic Writing 3 – 6 ECTS
- 3. PEL Vocabulary 3 – 2 ECTS
- 4. PEL Integrated Skills 3 – 7 ECTS
- 5. Introduction to Translation Studies I – 1 ECTS
- 6. Research Methods in Linguistics – 2 ECTS
- 7. Introduction to Translation Studies II – 2 ECTS
- 8. History of English Literature II – 4 ECTS
- 9. American Studies II – 2 ECTS
- 10. English Language Teaching Methodology II – 3 ECTS
- 11. Research Methods in Applied Linguistics – 1 ECTS
- 12. Teaching English to Young Learner – 2 ECTS

## **English Studies Master Year 1**

- 1. PEL – Integrated Skills 1 – 10 ECTS
- 2. PEL – Integrated Skills 2 – 10 ECTS
- 3. Psycholinguistics – 1 ECTS



- 4. Discourse Analysis – 5 ECTS
- 5. Specialization Classes: Applied Linguistics – 6 ECTS
- 6. British Cultural Studies – 2 ECTS
- 7. Great Britain as a Multicultural Society – 5 ECTS
- 8. Contemporary American Culture – lectures + practical classes – 5 ECTS
- 9. Specialization Classes: Literature-Culture Studies – 6 ECTS

## **English Studies Master Year 2**

- 1. PEL – Academic Writing – 10 ECTS
- 2. PEL – Integrated Skills – 10 ECTS
- 3. Cognitive Linguistics – 3 ECTS
- 4. Language Education – Modern Trends – 6 ECTS
- 5. Specialization Classes: Applied Linguistics – 6 ECTS
- 6. Modern British Literature – 2 ECTS
- 7. American Culture Studies – 2 ECTS
- 8. Analysis and Interpretation of Literary Texts – 6 ECTS
- 9. Specialization Classes: Literature-Culture Studies – 6 ECTS
- 10. Introduction to Theories of Translation – 2 ECTS