

MANDATORY SUBJECTS				
Subject code	Subject name	Credit	Number of hours per semester	Lecturer
PEDICHEN029	Evolution of the Earth's Environment	8	20	Ágnes Molnár
PEDICHEN037	Global climate change: causes and consequences	8	20	András Gelencsér
PEDICHEM037	Nuclear Energetics	4	10	Edit Tóth-Bodrogi
PEDICHEN045	Introduction to light pollution studies	6	15	Zoltán Sámuel Kolláth
PEDICHEN022	Introduction to the theory of complex systems	6	15	Dezső Boda
PEDICHEN005	Bioanalytical methods	4	10	András Guttman
PEDICHEM040	Biochemistry II.	8	20	Rita Földes Skodáné
PEDICHEM041	Chemistry of Biocoordination	8	20	József Kaizer
PEDICHEN007	Biostatistics	6	15	Bálint Kovács
PEDICHEM059	Theoretical organic chemistry	8	20	József Kaizer
PEDIENV005	Separation methods in analytical chemistry	8	20	Krisztián Horváth
PEDICHEN032	Evolutionary biology	6	15	Ivett Pipoly
PEDICHEM069	Metalloorganic Chemistry	8	20	József Kaizer
PEDICHEN034	Sustainable energy systems	8	20	Endre Gábor Domokos
PEDICHEN031	Communication of sustainable development	8	20	Georgina Tóth-Nagy
PEDICHEN033	Waste Management – Sustainability	8	20	Róbert Kurdi
PEDICHEN035	Sustainable water management	6	15	Viola Somogyi
PEDICHEN050	Complex system of sustainability	8	20	Ágnes Rostási
PEDICHEN042	Implementation of sustainability projects	6	15	Róbert Kurdi
PEDICHEM001	Physical Chemistry I.	8	20	Dezső Boda
PEDICHEM002	Physical Chemistry II.	8	20	Dezső Boda
PEDICHEM003	Statistical thermodynamics of fluids	8	20	István Szalai
PEDICHEN014	Computer simulation of liquids	8	20	Tamás Kristóf
PEDICHEM006	Computer simulation of liquids II.	4	10	Zoltán Ható
PEDICHEM074	Hydrobiology	8	20	Judit Padisák
PEDICHEN008	Hydrogeology	4	10	Ádám Zoltán Tóth
PEDICHEM038	Interpretive spectroscopy I.	8	20	Rita Földes Skodáné
PEDICHEM063	Interpretive spectroscopy II.	8	20	Rita Földes Skodáné
PEDICHEM022	Experimental photochemistry: steady-state methods	8	20	Ottó Horváth

PEDICHEM023	Experimental photochemistry: time-resolved methods	4	10	Lajos Fodor
PEDICHEM025	Coordination Chemistry	8	20	Lajos Fodor
PEDICHEN048	Corrosion testing and corrosion protection	4	10	Tamás Kristóf
PEDIENV004	Environmental mineralogy	8	20	Mihály Pósfai
PEDICHEN018	Environmental DNA	6	15	Kálmán Tapolczai
PEDICHEM024	Environmental Photochemistry	8	20	Lajos Fodor
PEDIENV002	Environmental Chemistry	8	20	Zsolt Valicsek
PEDICHEM053	Presentation I.	20		
PEDICHEM054	Presentation II.	20		
PEDICHEM055	Presentation III.	20		
PEDICHEM049	Quantum Chemistry I.	4	10	György Tamás Lendvay
PEDICHEM050	Quantum Chemistry II.	4	10	György Tamás Lendvay
PEDICHEN030	Atmosphere - Biosphere Interaction	8	20	Ágnes Molnár
PEDIENV003	Atmospheric Science	8	20	Ágnes Molnár
PEDIENV006	Atmospheric Chemistry	8	20	András Gelencsér
PEDIENV11	Limnology	8	20	Judit Padisák
PEDICHEM034	Nuclear and Particle Physics	8	20	Péter Gurin
PEDICHEM035	Nuclear Metrology	4	10	Edit Tóth-Bodrogi
PEDIENV001	Ecology	8	20	Judit Padisák
PEDICHEM044	Polymer chemistry	8	20	József Kaizer
PEDICHEM052	Uses of radioisotopes	4	10	Edit Tóth-Bodrogi
PEDIENV008	Radioecology	6	15	Edit Tóth-Bodrogi
PEDICHEM021	Vibrational and electron spectroscopy	8	20	Zsolt Valicsek
PEDICHEM062	Stereochemistry of organic compounds	8	20	Gergely Farkas
PEDICHEM020	Inorganic Photochemistry	8	20	Lajos Fodor
PEDICHEN010	Soil contamination and remediation	4	10	Renáta Rauch
PEDICHEM011	Natural and artificial radiations	4	10	Edit Tóth-Bodrogi
PEDIENV009	Toxicology	8	20	Nóra Julianna Kovács
PEDICHEN006	Transmission electron microscopy	6	15	Mihály Pósfai
PEDICHEM018	Transition metals and their compounds	8	20	Zsolt Valicsek
PEDICHEM016	Biogeochemical cycles	8	20	Zsolt Valicsek
PEDICHEM019	Theoretical inorganic chemistry	8	20	Margit Kovács
PEDICHEN013	Behavioral ecology	6	15	András Liker
PEDICHEN016	Final report	20		

FACULTATIVE SUBJECTS

Subject code	Subject name	Credit	Number of hours per semester	Lecturer
PEDICHEM032	The Origin of Colours	4	10	Ottó Horváth
PEDICHEN003	Materials' structure elucidation methods: infrared and Raman spectroscopy	6	15	Balázs Zsirka
PEDICHEN004	NMR spectroscopy for chemists	6	15	Margit Kovács
PEDICHEM075	Bioindication	4	10	Csilla Stenger-Kovács
PEDIENV13	Structure and function of biological macromolecules	6	15	Ferenc Vonderviszt
PEDICHEN047	Light pollution workshops	6	15	Zoltán Sámuel Kolláth
PEDICHEM015	Physical and chemical properties of liquid crystals	4	10	Szabolcs Varga
PEDICHEM010	Dielectric properties of liquids	4	10	Mónika Valiskó
PEDICHEM029	Photoinduced processes in microheterogeneous systems	4	10	Ottó Horváth
PEDICHEN009	Chemometrics	6	15	Krisztián Horváth
PEDICHEM036	Quantum mechanics	4	10	Péter Gurin
PEDICHEN046	Limnoecology	8	20	Géza Balázs Selmeczy
PEDICHEN044	Physiological effects of microplastic pollution on aquatic ecosystem organisms	4	10	Réka Svigruha
PEDICHEN040	Ecophysiology and Experimental design	6	15	Edina Lengyel
PEDICHEM076	Fieldwork	8	20	Géza Balázs Selmeczy
PEDICHEN038	Conservation biology	6	15	Csilla Stenger-Kovács
PEDICHEN011	Science theory and communication in science	8	20	Judit Padisák
PEDICHEM065	Water chemistry laboratory I.	8	20	Katalin Eszter Hubai
PEDICHEM066	Water chemistry laboratory II.	8	20	Katalin Eszter Hubai