

KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez
Únię Europejską w ramach
Europejskiego Funduszu
Społecznego

UNIA EUROPEJSKA EUROPEJSKI FUNDUSZ SPOŁECZNY



Course title					ECTS code
General chemistry					13.3.0855
Name of unit administra	ating study				
Faculty of Chemistry					
Studies					
faculty	field of study		type	pierwszego	stopnia
Wydział Chemii	Chemia		form	stacjonarne	•
				wszystkie	
		specia	alization	wszystkie	
Teaching staff					
prof. dr hab. inż. Lech	Chmurzyński; prof. dr ha	ab. Ewa S	Siedlecka	a; prof. UG,	dr hab. Henryk Myszka; dr inż. Krzysztof Żamojć; mgr
Ola Grabowska; dr hal	b. Dariusz Wyrzykowski;	dr Aleks	andra Bi	elicka-Giełd	oń; dr Aleksandra Tesmar; dr hab. Joanna Makowska,
profesor uczelni					
Forms of classes, the re	ealization and number	of hours	5		ECTS credits
Forms of classes					8
Auditorium classes, La	aboratory classes, Lectur	e			ECTS credits 8
The realization of activi	ties				
classroom instruction					classes - 120 h
Number of hours					tutorial classes – 15 h
) houro Looturo: 45 hour	a Audita		0000: 4E	student's own work – 65 h
) hours, Lecture: 45 hour	s, Audito	num cia	5565.40	
hours					Total: 200 h - 8 ECTS
The academic cycle					
2023/2024 winter sem	ester				
Type of course		ļ	Langua	ge of instru	ction
obligatory			Polish	l	
Teaching methods					of assessment and basic criteria for eveluation or ements
- conducting experime	nts		examination requirements Final evaluation		
- discussion					
- multimedia-based lec	ture		- Graded credit - Examination		
- problem solving			Assessment methods		
				-term / end-1	
			-		h open questions
					with open questions
					es – two tests
					es – short tests and reports
		•			or evaluation

Chemia ogólna #13.3.0855 Sylabusy - Centrum Informatyczne UG Dział Kształcenia



Chemia ogólna #13.3.0855 | Strona 2 z 3

In: positive note from an exam with 15-20 open questions: 10%: 4.5 1%: 4.0 1%: 3.5 1%: 3.0 6: 2.0 orium classes: positive note from two tests, final note is an average from notes both tests 10%: 5.0 1%: 4.5 10%: 5.0 1%: 4.5 10%: 4.5 10%: 3.5 10%: 3.6 10%: 3.6 10%: 3.6 10%: 3.6 10%: 3.0 10%: 4.5 10%: 4.0 10%: 3.6 10%: 3.0 10%: 3.0 11/2: 2.0 11/2: 1.0 12/2: 1.0 13/2: 2.0 14 classes of inorganic compounds
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otopes, electronic structure of atoms, quantum numbers, atomic orbitals), basic nations (including redox reactions), chemical bonds, basic types of inorganic mochemistry, kinetics and chemical equilibrium, theories of acids and bases, eak acids and bases, buffer solutions, hydrolysis, elements of electrochemistry. rypes of inorganic compounds, balancing redox reactions, stoichiometry, the equilibria in the solutions of electrolytes.
bwledge
tudents: know main states of matter; understand structure and properties of atoms s well as other chemical particles; understand essence of main types of chemical onds; understand main chemical terms, laws and phenomena, know basic erminology and symbolism in terms of elements, inorganic compounds, ectrolytes, electrolytic dissociation as well as chemical reactions in water olutions; know physicochemical properties of chosen elements and chemical ompounds (oxides and hydrides of metals and nonmetals, bases, acids and salts); now main applications of known chemical substances as well as threats connected



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