

## COURSE UNIT (MODULE) DESCRIPTION

Course unit (module) titl	Code	
Inorganic Chemistry		СН
Lecturer(s)	se unit (module) is delivered	
Coordinator: Dr. Inga Grigoraviciute-Puroniene	Inorganic Chemistry	
Other(s):		

Study cycle	Type of the course unit (module)
Bachelor	Elective

Mode of delivery	Period when the course unit (module) is delivered	Language(s) of instruction	
Face to face	Second semester	English	

Requirements for students				
Prerequisites:	Additional requirements (if any):			
General Chemistry				

Course (module) volume in credits	Total student's workload	Contact hours	Self-study hours
5	130	32	98

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Assessment methods		
Assessment methods		
Assessment methods		
During the course, two tests including short answer tasks, and solving of numerical problems. Final exam.		
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Content: breakdown of the topics			Cont	tact h	ours			Self-study work: time and assignments			
		Tutorials	Seminars	Exercises	Laboratory work	Internship/work nlacement	Contact hours	Self-study hours	Assignments		
1. Introduction. Objectives.	2						2	0			
2. Atomic and electronic structure	4						4	11	Textbook reading. Problem solving.		
3. Bonding theories and symmetry	4						4	15	Textbook reading. Problem solving.		
4. The main group elements	6						6	19	Textbook reading. Problem solving.		
5. D-block metals and transition metal complexes	6						6	20	Textbook reading. Problem solving.		
6. Metals and ionic solids	4						4	13	Textbook reading.		
7. Electrochemistry	6						6	20	Textbook reading. Problem solving.		
Total	32						32	98			

Assessment strategy	Weight,%	Deadline	Assessment criteria
Two tests will be conducted during the course, each counting 30% towards the final grade.	60	1 <sup>st</sup> test: March 2 <sup>nd</sup> test: April	Short answer questions.
Final end-of-term exam.	40	May/June	Multiple choice questions.

Author	Year of publicati on	Title	Issue of a periodical or volume of a	Publishing place and house or web link
Compulsary reading			publication	
G. L. Miessler, P. J. Fischer, D. A. Tarr	2014	Inorganic Chemistry	5 <sup>th</sup> ed.	Pearson Education
C. E. Housecroft, A. G. Sharpe	2008	Inorganic Chemistry	3 <sup>rd</sup> ed.	Pearson Education Limited
Optional reading				
J. E. Huheey, E. A. Keiter, R. L. Keiter	1993	PrinciplesofStructureandReactivity	4 <sup>th</sup> ed.	Harper Collins