

	APITAŁ LUDZKI RODOWA STRATEGIA SPÓJNOŚCI	Projekt współfinansowa Unię Europejską w ra Europejskiego Funo Społecznego	amach	UNIA EUROPEJSKA EUROPEJSKI FUNDUSZ SPOŁECZNY	* * * * * * * * * * *	
Course title		ECT	S code			
Mathematical methods	of quantum information		13	.2.0415		
Name of unit administra						
	s, Physics and Informatic	0				
Studies		5				
faculty	field of study	type all				
Faculty of Mathematics,	Quantum Information	form all				
Physics and Informatics	Technology	specialty all				
		specialization all				
Teaching staff						
dr. hoh. Marain Maraini	akı prof LIC dr. bab. Ada	m Dutkowski, dr Stofono	Cusumar	ou mar Ekto Donwor		
dr hab. Marcin Marciniak; prof. UG, dr hab. Adam Rutkowski; dr Stefano Cu				S credits		
Forms of classes, the realization and number of hours			ECT	5 creaits		
Forms of classes			5	5		
Auditorium classes, Lecture						
The realization of activi	ties					
classroom instruction, online classes						
Number of hours			_			
Number of nours						
Auditorium classes: 30 hours, Lecture: 30 hours						
The academic cycle						
2022/2023 winter sem	ester					
Type of course	Language of ins	struction				
obligatory	english	english				
Teaching methods		od of ass	essment and basic cri	iteria for eveluation or		
- critical incident (case) analysis - discussion		examination rec	examination requirements			
		Final evaluation	Final evaluation			
		- Graded credi	- Graded credit			
- multimedia-based lecture			- Examination			
- problem solving			Assessment methods			
- problem-focused lect	Assessment me	inous				
		- (mid-term / e	- (mid-term / end-term) test			
	- written exam	- written exam (test)				
	- oral exam	- oral exam				
	The basic criter	The basic criteria for evaluation				

during the first classes Method of verifying required learning outcomes

Required courses and introductory requirements

A. Formal requirements

no formal requirements

B. Prerequisites

Basic knowledge of mathematics at high school level is required

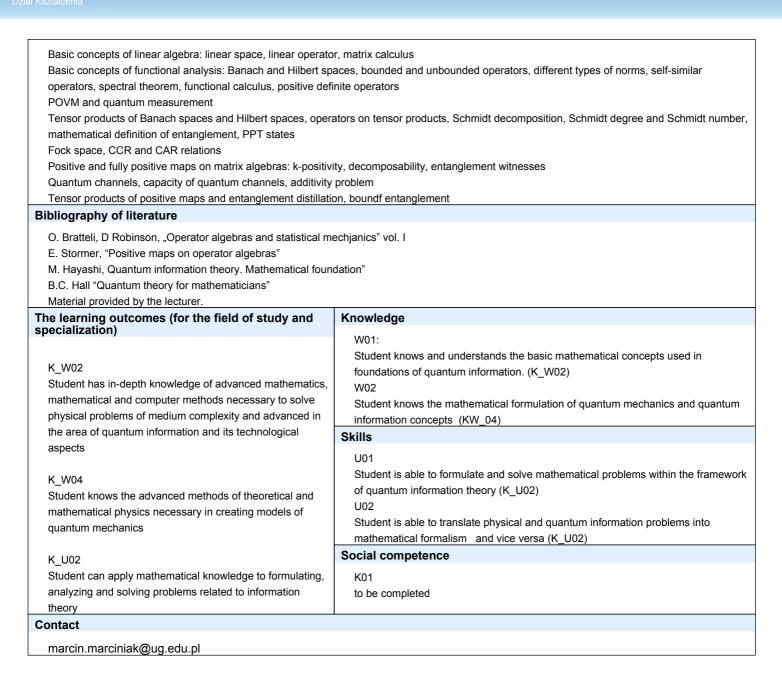
Aims of education

The aim of this lecture is to provide students with mathematical knowledge to understand basic concepts of quantum information theory as well as formulate and solve problems within this theory

Course contents

The content of the course includes the presentation of the following concepts (lecture and exercises will be devoted to the same issues):

Exams (Lecture and Exercises): correct answer to at least 60% of the questions. Evaluation criteria and exams' tentative schedule will be communicated to the students



Jniwersytet Sdański