

AIDA – Interdyscyplinarne studia doktoranckie w zakresie przetwarzania i analizy danych – studia w języku angielskim

ANM - Advanced numerical methods
 ADS - Algorithms and data structure
 AS - Applied statistics
 Bio - Bioinformatics
 CE - Computational engineering
 CMBS - Computer methods in biosciences
 DM - Data mining
 ML - Machine learning
 MCDS - Modelling of complex dynamical systems
 SP - Stochastic processes
 PhDSem - PhD project seminar
 UZ - kursy rozwijające umiejętności zawodowe
 UD - kursy rozwijające umiejętności dydaktyczne
 PZ - praktyka zawodowa (teaching training)

	ANM	ADS	AS	Bio	CE	CMBS	DM	ML	MCDS	SP	PhDSem	UZ	UD	PZ	
RAU_AIDA_W01		X		X			X	X							has a wide knowledge in the area of technical sciences and a basic knowledge in chosen disciplines
RAU_AIDA_W02				X		X						X			knows the influence of engineering on experimental techniques in chosen disciplines
RAU_AIDA_W03		X		X		X			X		X				has a deep knowledge concerning most important problems of the research development in chosen disciplines
RAU_AIDA_W04			X		X	X		X	X	X					has wide knowledge in the area of mathematical modelling and its applications for interpretation of experimental results
RAU_AIDA_W05	X		X						X	X					has a wide knowledge concerning applications of mathematics and statistics in chosen disciplines
RAU_AIDA_W06	X				X										knows the informatics techniques and their applications in a chosen discipline
RAU_AIDA_W07				X		X					X				knows experimental techniques
RAU_AIDA_W08		X									X				knows tools for computer simulations
RAU_AIDA_W09							X					X			knows rules of a knowledge transfer and commercialisation
RAU_AIDA_W10												X			has basic knowledge concerning scientific projects: sources of their financing, procedures (preparing grant applications)
RAU_AIDA_W11												X	X	X	knows modern approaches, methods and tools for didactic and training procedures
RAU_AIDA_W12												X	X	X	knows modern approaches, methods and tools for organising didactic activities
RAU_AIDA_U01			X				X				X		X		has skills of searching for scientific information and integration of technical knowledge with the knowledge from other disciplines
RAU_AIDA_U02											X		X	X	can use modern techniques of presenting and documenting of scientific facts to others
RAU_AIDA_U03							X				X		X		can properly document and present the obtained scientific results, in Polish and English language,
RAU_AIDA_U04											X				can edit scientific texts both in Polish and English
RAU_AIDA_U05						X					X			X	can present and discuss scientific results in interdisciplinary scientific and engineering societies
RAU_AIDA_U06	X	X		X					X	X					can integrate mathematical modelling with experimental results in chosen disciplines
RAU_AIDA_U07		X		X	X				X	X					can develop and use computer simulation techniques for applications in chosen disciplines
RAU_AIDA_U08			X								X				can formulate and verify statistical hypotheses related to experiments in chosen disciplines
RAU_AIDA_U09						X		X							can use internet resources related to measurements and experiments in chosen disciplines
RAU_AIDA_U10	X	X	X		X		X	X	X	X					can use informatics techniques for issues related to modelling phenomena and processes
RAU_AIDA_U11			X	X	X		X	X							can identify and formulate engineering tasks of innovative character, in the area of modelling of complex systems
RAU_AIDA_U12	X	X		X				X	X						can apply algorithms and software tools for applications for experimental results
RAU_AIDA_U13			X		X			X							can properly schedule scientific research tasks
RAU_AIDA_U14												X		X	can analyse the potential of transferring results of scientific research to commercial industrial and service sectors
RAU_AIDA_U15					X						X	X	X		can initiate a debate and can take part in the scientific dispute
RAU_AIDA_U16				X							X	X	X	X	can elaborate and realise, with the help of modern techniques and tools, different teaching and research methods
RAU_AIDA_K01											X	X	X	X	can inspire and organise the process of constant teaching, in scientific and research groups
RAU_AIDA_K02			X									X			has an awareness of the importance and understands non-technical aspects of engineering activities,
RAU_AIDA_K03					X							X		X	can cooperate and work in a group, taking different roles
RAU_AIDA_K04		X		X			X					X			can properly formulate priorities for realising different tasks, undertaken by scientific groups
RAU_AIDA_K05									X		X	X		X	can think and act in a creative and enterprising way
RAU_AIDA_K06								X		X	X		X	X	is ready to a critical review of achievement of represented discipline and own contributions to the development of science
RAU_AIDA_K07											X		X		is ready to fulfil social commitments of researchers, and for initiating activities for public good, by