



## Hard Sciences unveiled – an Interdisciplinary Tour

Coordinator: Lecturer Dr. Ionut Topala ([ionut.topala@uaic.ro](mailto:ionut.topala@uaic.ro))

Date	Time	Course title	Lecturer/Coordinator	Hall/Class/ Lab Building or Meeting Point
<b>WEEK 1</b>				
<b>8 July (Mon)</b>	08.45-10.00	<b>Registration</b>		<i>Mihai Eminescu</i> , Aula Magna entrance Building A
	10.00-11.30	<b>JASSY Summer School opening ceremony</b>		<i>Mihai Eminescu</i> Aula Magna
		<b>Group Photo</b>		Hall of Lost Steps
	11.30-13.30	<b>Mathematical models in Life Sciences (L)</b>	Lecturer Dr. Iulian Stoleriu	C403, Building C
	15.00-17.00	<b>Numerical simulations in physics (L)</b>	Prof. Dr. Cristian Enachescu	C403, Building C
<b>9 July (Tue)</b>	09.00-11.00	<b>World of silicon: one of the biggest stars of the Periodic Table (L)</b>	Assoc.Prof. Dr. Doina Lutic	C403, Building C
	11.30-13.30	<b>Astronomy &amp; sky map reading (L + W)</b>	Assoc.Prof. Dr. Catalin Gales	Amphitheater Al. Myller (Building A) + Planetarium
	15.00-17.00	<b>Aquatic chemistry (L + W)</b>	Assoc.Prof.Dr. Simona Cucu Man	CERNESIM laboratory
<b>10 July (Wed)</b>	09.00-11.00	<b>Aquatic chemistry (L + W)</b>	Assoc.Prof. Dr. Simona Cucu Man	Laboratory of instrumental analysis, Building A
	11.30-13.30	<b>Unveiling the atmosphere's concealed culprits: the nanoparticles (L)</b>	Assoc.Prof. Dr. Doina Lutic	C403, Building C
	16:00-19:00	Guided tour of the city: „Iași - Romanian Capital of Culture” (FA)	Lecturer Dr. Mihai Bulai	University main entrance – the Two Lions, Building A
<b>11 July (Thu)</b>	09.00-11.00	<b>Basic mathematical structures used in cryptography (L)</b>	Prof. Dr. Răzvan Litcanu	C403, Building C
	11.30-13.30	<b>Virtually intelligent virtual assistants (L)</b>	Lecturer Dr. Ionut Pistol	C403, Building C
	15:00-19:00	Visit of religious heritage of Iași: <i>Nicolae Domnesc</i> Orthodox Church and Iași Catholic Cathedral (FA)	Assoc.Prof. Dr. Dan Sandu Assoc.Prof. Dr. Stefan Lupu	University main entrance – the Two Lions, Building A
<b>12 July (Fri)</b>	09.00-13.00	<b>Romanian herbalism and Romanian ornithology (L)</b>	Dr. Cristiana Petre & Assoc.Prof. Dr. Carmen Gache	C403, Building C
	14.00-18.00	<b>The flora and fauna of the Iasi Botanical Garden (FA)</b>	Dr. Cristiana Petre & Assoc.Prof. Dr. Carmen Gache	Botanical Garden
	19:00-21:00	<b>JASSY reception</b>		<i>B.P Hasdeu Hall</i> , <i>Mihai Eminescu</i> Central University Library



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<b>13-14 July (Sat-Sun)</b> DISCOVERY	09:00 Sat– 20:00 Sun	<i>(Only by reservation)</i> Field trip to Northern Moldavian region, in Northeastern Romania (FA) <i>Cost: 100 euros – all included (transport, food, entry tickets, guide, accommodation). Ask coordinator for info.</i>	Lecturer Dr. Mihai Bulai	University main entrance – the Two Lions, Building A
<b>13-14 July (Sat-Sun)</b> OTHER OPTIONS	WEEK-END	* You will receive a full list of <i>week-end events and optional activities in Iași</i> upon registration (For those who don't chose the above Field Trip to Northern Moldavia)	Silviu Teodor Stanciu & Cosmin Ceucă	To be defined
<b>WEEK 2</b>				
<b>15 July (Mon)</b>	09.00-11.00	<b>Fast imaging of plasmas (W)</b>	Lecturer Dr. Ionut Topala	Plasma Physics Laboratory Building A
	11.30-13.30	<b>Artificial Intelligence in Computer Games (L)</b>	Assist.Dr. Eugen Croitoru	Al. Myller Amphitheatre Building A
	15:00-19:00	Wine tasting techniques (W)	Lecturer Dr. Mihai Bulai & Assoc.Prof. Dr. Ramona Danac	University main entrance – the Two Lions, Building A
<b>16 July (Tue)</b>	09.00-11.00	<b>High energy particle physics (L)</b>	Lecturer Dr. Catalin Agheorghiesei	Al. Myller Amphitheatre Building A
	11.30-13.30	<b>Applications of Probability Theory (L)</b>	Lecturer Dr. Lucian Maticiu	Al. Myller Amphitheatre Building A
	14.30-18:00	Guided visit of <i>Palace of Culture</i> , the Former Princinary Palace of Moldavia (FA)	Lecturer Dr. Mihai Bulai & Assoc.Prof. Dr. Daniela Șoitu	University main entrance – the Two Lions, Building A
<b>17 July (Wed)</b>	09.00-11.00	<b>Introduction to cryptography (W)</b>	Drd. Nica Anca-Maria	Al. Myller Amphitheatre Building A
	11.30-13.30	<b>A hands-on experience in machine learning (W)</b>	Lecturer Dr. Diana Trandabat	Al. Myller Amphitheatre Building A
	15.00-17.00	<b>Lasers and optical equipment (W)</b>	Assoc.Prof. Dr. Silviu Gurlui	Al. Myller Amphitheatre & LOASL Laboratory, Building A
<b>18 July (Thu)</b>	10.00-12.00	Preparation for the final test	-	
	14:30-20:30	Active outdoor tour guiding techniques and skills (FA) *Additional optional activities may apply, with additional cost – Electric Bike Ride, Adventure Park itinerary etc.	Assist. Dr. Lucian Roșu Lecturer Dr. Constantin Ion	University main entrance – the Two Lions, Building A
<b>19 July (Fri)</b>	10:00-12:00	TEST, computer-aided, multiple choice	Lecturer Dr. Ionut Topala	Al. Myller Amphitheatre Building A
	13:00- 14:00	<b>Buffet Lunch</b>		Hall of Lost Steps, Building A
	14.00-15.00	<b>JASSY Summer School closing ceremony</b>		Mihai Eminescu Aula Magna, Building A

**L = Lecture**

**W = Workshop**

**FA = Field Application**



**Common activities for all modules**