Hard Sciences unveiled – an interdisciplinary Tour (HS)

Coordinator: Lecturer Dr. Ionuț Topală (ionut.topala@uaic.ro)

Date	Time	Course title	Lecturer/Coordinator
WEEK 1			
6 July (Mon) **INTRODUCTION**	9.00 – 10.00	**JASSY HS MODULE OPENING** Brief introductions (module coordinator and participants)	
	10.00-11.00	Meeting the module lecturers Overview of the module structure, activities, type of assignments and assessment method(s)	
	11.00-11.30	Virtual coffee break	
	11.30 – 13.30	**Mathematical models in Life Sciences (OL)**	Lecturer Dr. Iulian Stoleriu
	16:00-19:00	Introduction to UAIC – Iași University – virtual guided tour. Presentation of the Palace of the University (1897) and its Painting Gallery "Hall of Echoing Lost Steps", Tafrali Bookshop & Campus, (OFA) *All JASSY modules are welcome!*	Mihai Bulai
7 July (Tue)	09.00-11.00	**Applications of Probability Theory (OL)**	Lecturer Dr. Lucian Maticiuc
	11.30-13.30	**Astronomy & sky map reading (OL + OW)** *with TTG module*	Assoc.Prof. Dr. Cătălin Galeș
	15:00-19:00	How to Make your own Maps with free/open source Geographic Information Systems (OW) *All JASSY modules are welcome!*	Mihai Niculiță
8 July (Wed)	09.00-11.00	**Real Artificial Intelligence: expectations and limits (OL)**	Lecturer Dr. Ionuț Pistol
	11.30-13.30	**Unveiling the atmosphere's concealed culprits: the nanoparticles (OL)**	Assoc.Prof. Dr. Doina Lutic
	15:00-19:00	Virtual Guided tour of the city: „Iași - Romanian Capital of Culture" (OFA) *All JASSY modules are welcome!*	Mihai Bulai
9 July (Thu)	09.00-11.00	**Chaos and self-organization (OL)**	Assoc.Prof. Dr. Dan Dimitriu
	11.30-13.30	**Titanium dioxide, TiO_2: an old, versatile and amazing oxide (OL)**	Assoc.Prof. Dr. Doina Lutic
10 July (Fri)	09.00-11.00	**A hands-on experience in machine learning (OW)**	Lecturer Dr. Diana Trandabăț
	11.30-13.30	**Romanian ornithology (OL)**	Assoc.Prof. Dr. Carmen Gache
	15:00-18:00	Oral presentation of an Attraction (in the world) by each participant, 10 minutes each (OW) *Other module participants may join!*	Mihai Bulai Alexandra Cehan
11-12 July (Sat-Sun)	WEEK-END	* Participants will be provided with a full list of **week-end events in Iași and surroundings** that can be attended online	tbc
WEEK 2			
13 July (Mon)	09.00-11.00	**Numerical simulations in physics (OL)**	Prof. Dr. Cristian Enăchescu
	11.30-13.30	**Artificial Intelligence in Computer Games (OL)**	Assist.Dr. Eugen Croitoru
	15:00-17:00	Understanding Romanian Wine map. Focus on wines produced in the historical region of Moldavia. Tag reading and wine tasting techniques (OW) *All JASSY modules are welcome!*	Mihai Bulai / Ramona Danac

	17:00-19:00	Who wants to be a Geo-millionaire? Individual game, 15 questions. (OW) *All JASSY modules are welcome!*	Mihai Bulai Lucian Roșu
14 July **(Tue)**	09.00-11.00	**Fast imaging of plasmas (OW)**	Lecturer Dr. Ionuț Topală
	11.30-13.30	**Romanian herbalism: between the magical and the mundane (OL)**	Dr. Cristiana Petre
	15.00-18:00	Guided visit of the "Palace of Culture", the Former Princiary Palace of Moldavia (OFA) *All JASSY modules are welcome!*	Mihai Bulai Daniela Șoitu
15 July **(Wed)**	09.00-11.00	**Basic mathematical structures used in cryptography (OL)**	Prof. Dr. Răzvan Lițcanu
	11:30-13:30	**High energy particle physics (OL)**	Lecturer Dr. Cătălin Agheorghiesei
	16.00-18.00	Psychological profile (OW) *All JASSY modules are welcome!*	Daniela Zaharia
16 July **(Thu)**	09.00-11.00	**Introduction to cryptography (OW)**	Drd. Nica Anca-Maria
	11:30-13:30	**The flora and fauna of the Iasi Botanical Garden (OFA)** *with TTG module*	Dr. Cristiana Petre & Assoc.Prof. Dr. Carmen Gache
	15:00-19:00	Fun quiz party online divided by rooms (countries, interests etc.) (OW) *All JASSY modules are welcome!*	Lucian Roșu Athes Haralambie
17 July **(Fri)** **TEST&CLOSING**	10:00-12:00	**TEST, computer-aided, multiple choice**	Lecturer Dr. Ionuț Topală
	14.00-15.00	**Feedback on the assessment results** **JASSY HS module closing**	

OL = Online Lecture
OW = Online Workshop
OFA = Online Field Application

Extracurricular / Common activities for all modules

Test

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