

**Curriculum of the Joint PhD Program on Geoinformation Technology**

*between Yerevan State University (YSU), National University of Architecture and Construction of Armenia (NUACA) and  
Armenian National Agrarian University (ANAU)*

University/ Courses	Mandatory	ECTS	Responsible teacher	Electives	ETCS	Responsible teacher
NUACA	Advanced geodesy	3	<i>Anush Margaryan</i>	Spatial data infrastructure	5	<i>Naira Gyurjyan</i>
	Research methods	3	<i>Varazdat Hovhannisyan</i>	Reference systems	5	<i>Samvel Kroyan</i>
	IP right	2	<i>Varazdat Hovhannisyan</i>	3D modeling	5	<i>Vardan Gharibyan</i>
				GIS for Environmental Studies	5	<i>Narine Harutyunyan</i>
YSU	Spatial statistics	3	<i>Artak Piloyan</i>	Spatial Decision Support Systems	5	<i>Artak Piloyan</i>
	Geoprograming (Python)	2	<i>Vahan Manukyan</i>	Cloud technologies	5	<i>Artak Piloyan</i>
	Geoprograming (SQL)	2	<i>Vahan Manukyan</i>	Geospatial Data Mining	5	<i>Sona Terteryan</i>
				Geovisualization and Digital Cartography	5	<i>Sona Terteryan</i>
ANAU	Research communication and ethics	3	<i>Naira Aloyan</i>	UAV technologies	5	<i>Seryozha Karapetyan, Naira Aloyan</i>
	New teaching methods	2	<i>Gurgen Yeghiazaryan</i>	Land policy and land rearrangement	5	<i>Gurgen Yeghiazaryan, Naira Aloyan</i>
				Precision Agriculture	5	<i>Armine Hambardzumyan, Gurgen Yeghiazaryan</i>
				Land Management Technologies	5	<i>Gurgen Yeghiazaryan, Armine Hambardzumyan</i>
		<b>20</b>			<b>20</b>	