

CLUBS

“GeoGIS” Supplementary class**PROGRAM**

| № | Name | Classification of the class | Dedicated hour | Teacher |
|----------|------------------|---|-----------------------|------------------------------------|
| 1 | ArcGIS I-modul | Creating a geodatabase and thematic layers and creating electronic digital maps using the ArcGIS program | 36 | Abdurakhmonov S. Muslimbekov B. |
| 2 | ArcGIS II-modul | Raising two-dimensional maps to three dimensions and animating objects using ArcGIS software | 36 | Inamov A. Muslimbekov B. |
| 3 | ArcGIS III-modul | Performing spatial analysis using ArcGIS software (NDWI, NDVI, Geostatistical analysis, NDMI) | 36 | Shokirov Sh. Muslimbekov B. |
| 4 | 3D-GIS | Building a three-dimensional model of buildings and structures and the environment using the Sketch UP program | 36 | Oymatov R. Fayzullaev M. |
| 5 | 2D-GIS | Creation of 2-dimensional drawings of the object and topographical plan of the place in the Auto CAD program | 36 | Aslanov I. Boltaev Sh. |
| 6 | DRON | Remote sensing of the earth using a drone and creation of a three-dimensional model of the area | 36 | Inamov A. Aliyarov J. |
| 7 | Surveying-I | Drawing up a plan of land areas with the help of a theodolite (determining horizontal and vertical angles) | 36 | Islomov U. Samiyev Sh. |
| 8 | Surveying-II | Creating a longitudinal and transverse profile of the track using a leveler and leveling the surface using square grids | 36 | Valieva A. Salimov A. |
| 9 | Surveying-III | Topographic surveying and planning of the territory using an electronic total station | 36 | Mamatkulov Z. Toshpulatov U. |

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| 10 | Surveying-IV | Determination of the absolute height of the earth using GNSS and equalization of errors | 36 | Inamov A. Musurmonov J. |
| 11 | Surveying-V | Determination of the surface of the earth using GPS | 36 | Mukhtorov U. Musurmonov J. |