



**UNIVERSITY of  
DEBRECEN  
HUNGARY**

**Department of Physical Geography  
and Geoinformatics**

*We offer*

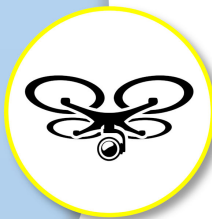
# **MSc & PhD**

**International Programmes  
in Geoinformatics  
and Geography**



## **Remote Sensing**

- ✓ Spaceborne and airborne imaging sensors
- ✓ Multispectral and hyperspectral technologies
- ✓ LiDAR applications



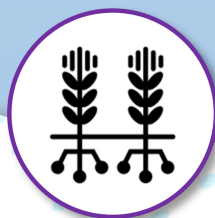
## **UAS Photogrammetry**

- ✓ High resolution multispectral survey
- ✓ Thermal monitoring
- ✓ Point Clouds and 3D modelling



## **Cartography**

- ✓ Efficient survey methods
- ✓ Laser Scanning
- ✓ UAVs, RTK GPS
- ✓ Modern GIS softwares
- ✓ 3D geovisualisation



## **Agro GIS**

- ✓ Precision agriculture
- ✓ Crop health monitoring
- ✓ Yield estimation



## **Urban GIS**

- ✓ Smart city applications
- ✓ GIS database management
- ✓ CAD systems
- ✓ Land cover change detection



## **THE TECHNOLOGY OF THE 21<sup>ST</sup> CENTURY**

*Apply for...*

### **Master's Degree (MSc)**

- ✓ Geography, MSc
- ✓ Geoinformatics, MSc
- ✓ Duration: 4 semesters

### **Doctoral Degree (PhD)**

- ✓ Earth Sciences, PhD
- ✓ High quality education in scientific research
- ✓ Duration: 8 semesters

### **Stipendium scholarship**

- ✓ Free tuition for the entire duration of studies
- ✓ Monthly grant and free medical insurance for students of Master or PhD program
- ✓ Contribution to accommodation

*Career Paths*



### **Research**

Research and development, Innovation agencies, GIS expert, Data analyst, Research fellowship, PhD studies...



### **Business**

Precision agriculture, Disaster management, UAS surveyor, Water directorates, Forestry, Military...



### **Academia**

Doctor of geosciences, Lecturer in geography and geoinformatics, Post-doctoral researcher...

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