

Geographic Surveying and GIS Instructor

Department of Environmental Science and Development

Zamorano University

www.zamorano.edu

Key responsibilities

- Plan, coordinate, teach, and oversee learning-by-doing lab sessions in surveying and GIS for second-year students.
- Deliver lectures and evaluate students daily as part of the learning-by-doing model, ensuring adherence to academic conduct standards.
- Enter and maintain daily grades and keep the academic portal or other systems up to date.
- Offer tutoring and academic support as needed.
- Prepare and distribute learning materials for lab sessions.
- Maintain and update a practical teaching portfolio.
- Contribute to planning and assessing the learning-by-doing program.
- Provide guidance or support for senior capstone or graduation projects.
- Participate in or support fundraising and grant initiatives.

Qualifications

- A degree in civil engineering, geography, environmental and development studies, agricultural or agronomic engineering, or a related field.
- At least 2 years of relevant experience.

Preferred skills and experience

- Passion for teaching and working with young people.
- Solid technical knowledge in surveying (including planimetry, altimetry, and topographic mapping), GPS navigation, basic GIS, remote sensing, and photogrammetry as applied to environmental and agricultural sciences.
- Familiarity with specialized equipment such as theodolites, total stations, levels, measuring tapes, plumb bobs, GNSS devices and apps, drones, RTK stations, and more.

- Proficiency with software like QGIS®, AutoCAD®, Civil 3D®, ArcGIS®, and similar tools.
- Strong communication skills in both speaking and writing.
- Intermediate English proficiency: able to understand the main ideas in clear texts on familiar topics, describe experiences and goals, and briefly explain opinions or plans.

Core competencies

- Commitment and accountability
- Quality-focused mindset
- Innovation and creativity
- Integrity
- Service-oriented attitude
- Emotional intelligence
- Effective communication
- Mentorship skills
- Pedagogical management
- Research interest or experience

How to apply

Send your application including a cover letter, updated resume and contact details for at least three professional references (email and phone). Submit your documents (Word or PDF format) to talentohumano@zamorano.edu, addressed to the Human Resources Department.

Subject line: **Geographic Surveying and GIS Instructor**

Application deadline: **May 28, 2025**

Non-Discrimination Policy

Zamorano University does not discriminate based on ethnicity, race, religion, gender, or nationality in its educational programs, admissions, financial aid, extracurricular activities, employment, or other operations.