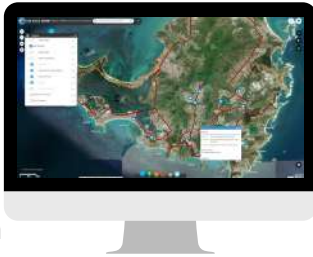




GIS is a powerful system that integrates data from a variety of sources to create digital maps. It is a great study subject that encompasses knowledge from various sectors and ultimately, helps students develop the ability to think critically, solve problems and communicate their results

Career paths:

- GIS Technician
- GIS Analyst
- Land Survey Technician
- Engineering
- and much more...



Networking & Outreach:

- Caribbean Geospatial Development Initiative
- American Association of Petroleum Geologists (AAPG)
- Government of Sint Maarten
- Caribbean Catastrophic Risk Insurance Facility

Academic paths: (Bachelors, Masters, Diplomas)

- Geographic Information Science and Technology
- Environmental Science
- Spatial Planning
- Computer Information Systems

Universities:

- University of the West Indies (UWI)
- Erasmus University Rotterdam
- ITC University of Twente
- Monroe College and more...



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GIS 101

Introduction to Geographic
Information Systems (GIS)

What is GIS?

A geographic information system (GIS) is a spatial system that creates, manages, analyzes, visualizes, and maps all types of data. GIS connects information to a map, integrating location data (where things are) with all types of descriptive information (what things are like there).

This provides a foundation for mapping and analysis that is used throughout the Government of Sint Maarten, in Ministries such as VROMI, as well as other sectors such as Disaster Management, Public Health, Environmental Management and several more.

Modern technologies like drones have improved spatial analysis to a new level, allowing for more detailed and precise analyses to address issues like spatial planning, conservation and hazard management. Furthermore, GIS systems can assist with solving some of the most pressing problems currently facing society, such as the increase in extreme weather events and the COVID-19 pandemic.



Why Study GIS?

USM Introduction to GIS course will help students understand the diverse nature of GIS and its application in real-world scenarios. The course is designed to introduce students to the principles and techniques of GIS. Topics include spatial data collection, data processing & management, geovisualization, cartography, GIS hardware/software systems and drone mapping.



COURSE DESCRIPTION

This course provides an introduction to the fundamental theories and concepts of GIS. Several organizations in virtually every field are using GIS to make maps that communicate, perform analysis, share information, and solve complex problems around the world. This is changing the way the world works.

Students who learn about GIS will have a solid foundation in spatial data management, data acquisition, analytics and visualization with a variety of tools and software.

Benefits & Future with GIS

1. Be able to define GIS, Geography and Remote Sensing
2. Understand the fundamental components of spatial data
3. Understand the basics of geographic data capture, analysis and visualization
4. Be able to design digital maps using cartographic principles
5. Understand the importance of coordinate systems and GPS surveying
6. Appreciate the role of GIS in the national development of Sint Maarten
7. Apply knowledge and skills to specific Sint Maarten case studies
8. Develop strong networking and mentoring relationships

CLASS SCHEDULE

Tuesday & Thursday
5:00 PM to 7:00 PM

TUITION FEES

Application Fee - \$25
Registration fee - \$15
General fee - \$100
Tuition - \$190 * 4 credits
Total cost - \$875

*Payment plans available with Business office