

Page Navigation Guide



Course Syllabus **Navigation Tabs** Discussion Progress

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Resume Course

Introduction to Urban Geo-Informatics



Course starts in 1 month on May 30, 2018.
Don't forget to add a calendar reminder!

Expand All

- > Getting Started
- > The Urban Environment
- > GIS
- > Remote Sensing
- > Underground Survey & Mapping
- > Navigational Systems
- > Smart Cities
- ▼ Finishing the Course
 - > Post-Survey
 - ▼ Congratulations!
Congratulations!

Course Content

Goal: Complete the course

Course Tools

- Bookmarks
- Updates

Pursue a verified certificate



Upgrade (\$50)
Learn More

Important Course Dates

Today is Apr 24, 2018 11:14 HKT

Course Starts
in 1 month - May 30, 2018

Verification Upgrade Deadline
in 3 months - Jul 16, 2018

You are still eligible to upgrade to a Verified Certificate! Pursue it to highlight the knowledge and skills you gain in this course.

[Upgrade to Verified Certificate](#)

Course End
in 3 months - Jul 25, 2018

After this date, course content will be archived.

Certificate Available
in 3 months - Jul 26, 2018

Day certificates will become available for passing verified learners.

Course Handouts

- Syllabus
- Forum Guideline
- Downloadable Handouts**
- Frequently Asked Questions (FAQ)

Course: Landing page to Course updates, schedule and access to the topics

Syllabus: Description of the course and week-by-week breakdown

Forum Guidelines: General guidelines on the use and conduct within the discussion forum

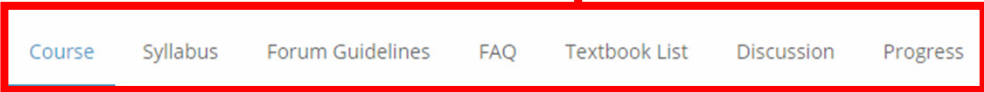
FAQ: Frequently Asked Questions, which will be continually updated to answer general questions on the use of site

Textbook: List Contains the Reference Book for Geospatial and Geo-Informatics

Discussion: Access to discussion forums
Progress View your progress and marks

Page Navigation Guide

Navigation Tabs



Course > GIS > Role of GIS > What is GIS?

Location in course syllabus



What is GIS?

[Bookmark this page](#)

Navigation Ribbon

What is GIS?

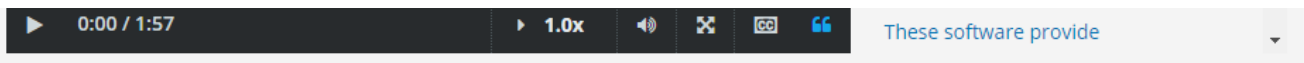


Start of transcript. Skip to the end.

GIS stands for Geographic Information Systems, it comprises of the hardware, software, human-ware

To previous section in Ribbon

To next section in Ribbon



Keywords:

Coordinates: Set of values to define a position on a map or in the real world, often with reference to a particular system.

GIS: Geographic Information System

Hardware: Tools, machines, equipment.

Human-ware: Human operators.

Latitude: Denoted as (ϕ), it is an imaginary line on the Earth's surface running parallel to the Equator.

Location: A particular place or position.

Longitude: Denoted as (λ), it is an imaginary line at angular distances from the Greenwich Meridian.

Open-source: Software with source code made freely available to the public and can be redistributed and/or modified.

Software: Programs, operations, and functions used and performed by the computer.

Standalone: Hardware and/or software that is able to operate independently.

