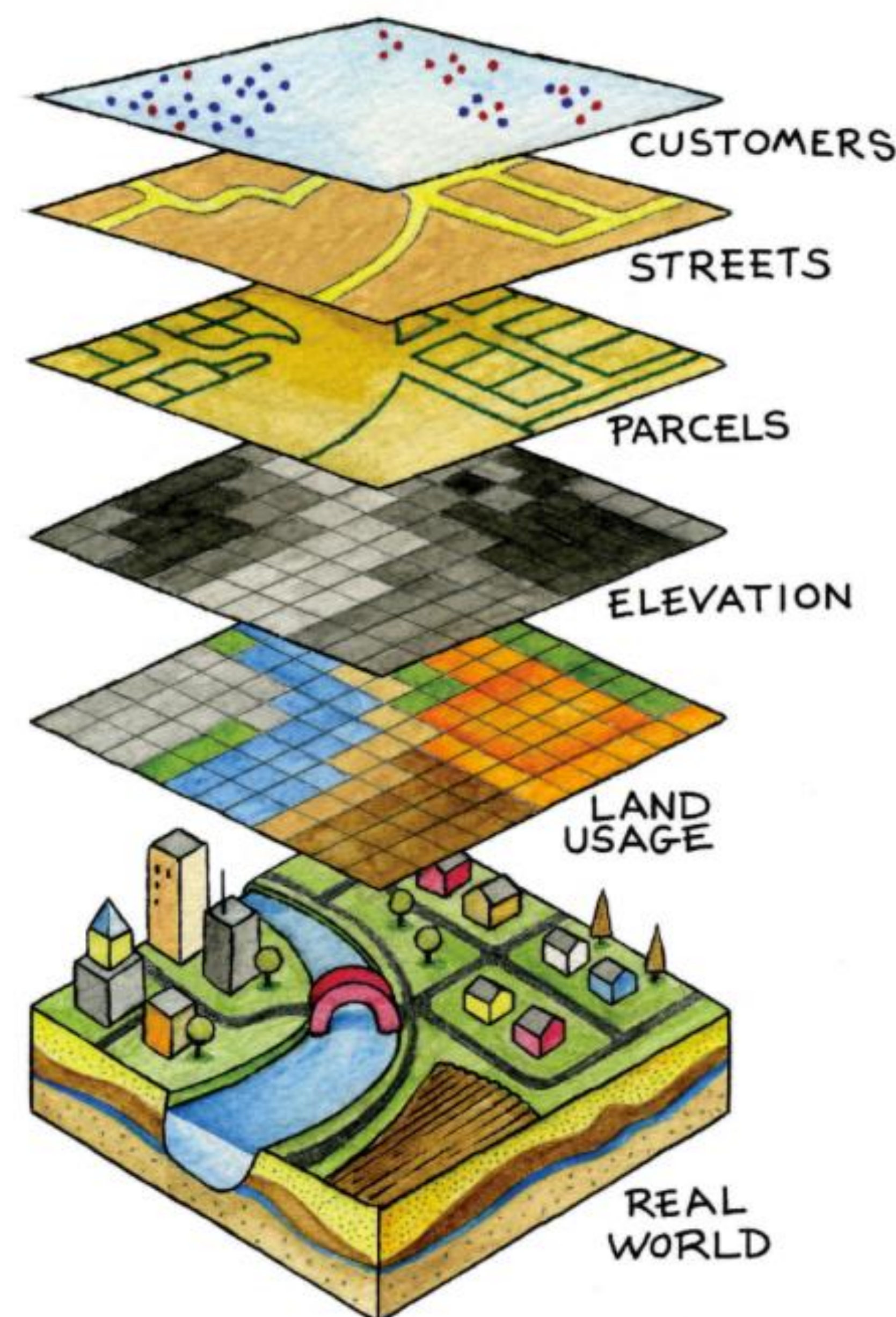


Course description: The 3 credit 4 hr. course will introduce you to basic concepts in Geographic Information System (GIS) and provide an opportunity to develop hands-on industry standard skills. A GIS is used to analyze different types of geographic data and creating intelligent maps. For example a GIS may be used to map different levels of pollution and its sources in a city. A GIS may be used to map traffic congestions in peak and off-peak hours in a city and provide alternate spatial solutions to reduce the congestion. A GIS may be used to investigate if a project to provide clean energy is effective. A GIS may also be used to create an entire city in 3 dimension for mapping microclimatic variations or telecommunications planning. Whether you are an aspiring engineer, environmental enthusiast, budding health worker, or planner or environmental major, a GIS can help you visualize and map complex spatial relationships. A GIS can help in find solutions to real-world problems related to air pollution, traffic congestion, economic development, gentrification of communities, planning and many others. Whether you are a Liberal Arts or Engineering or Science major your competence in GIS will enhance your chance to secure employment in the high growth geospatial industry.

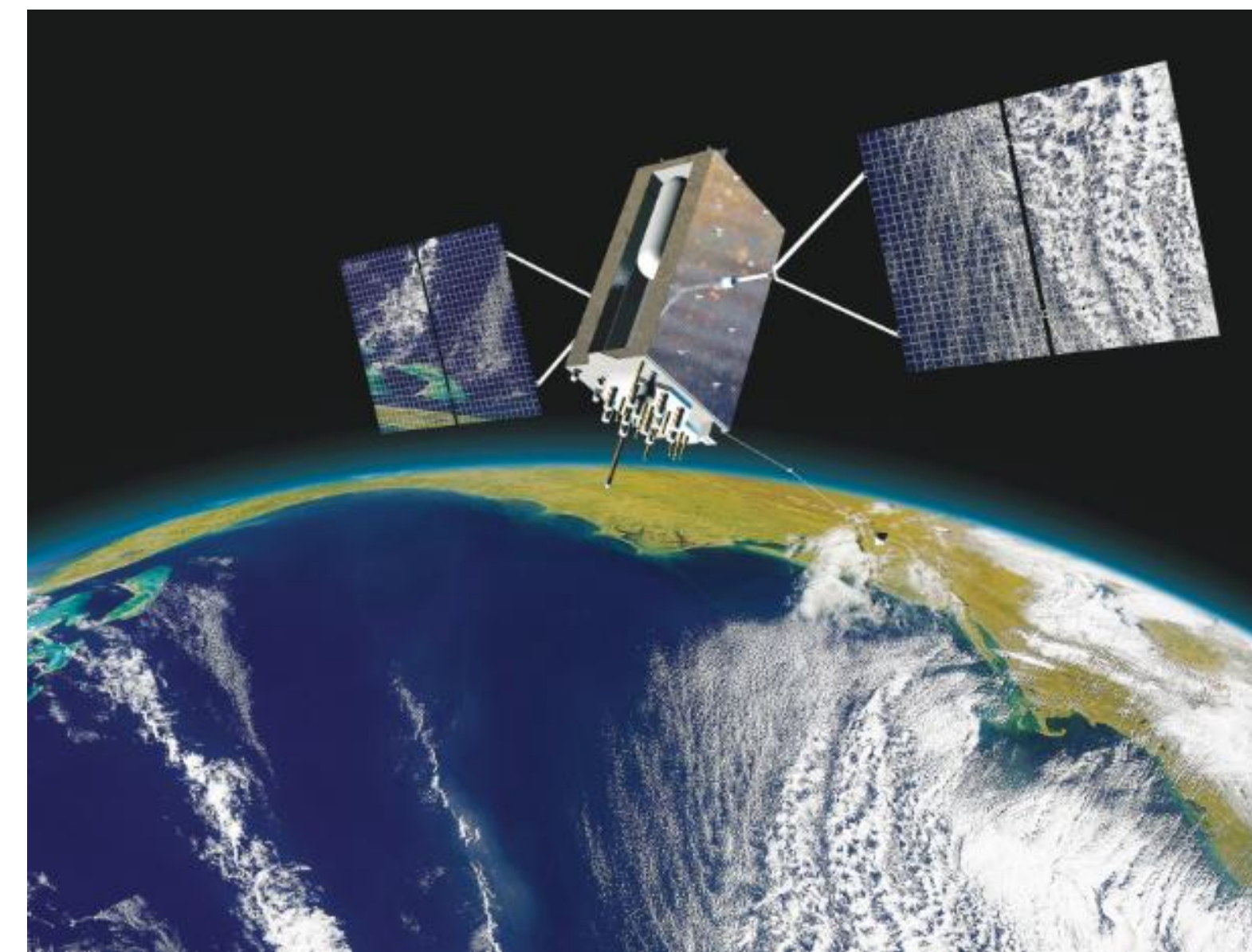
Course Syllabus: Prerequisites: [RDL 2 and ENG 2 and MTH 5, if required]

The course will be taught by lectures and lab work. Key concepts in GIS will be taught by lectures and hands-on training will be provided in the state-of-the-art GIS computer lab. Assessment will be by a combination of quizzes, written assignments and term paper.

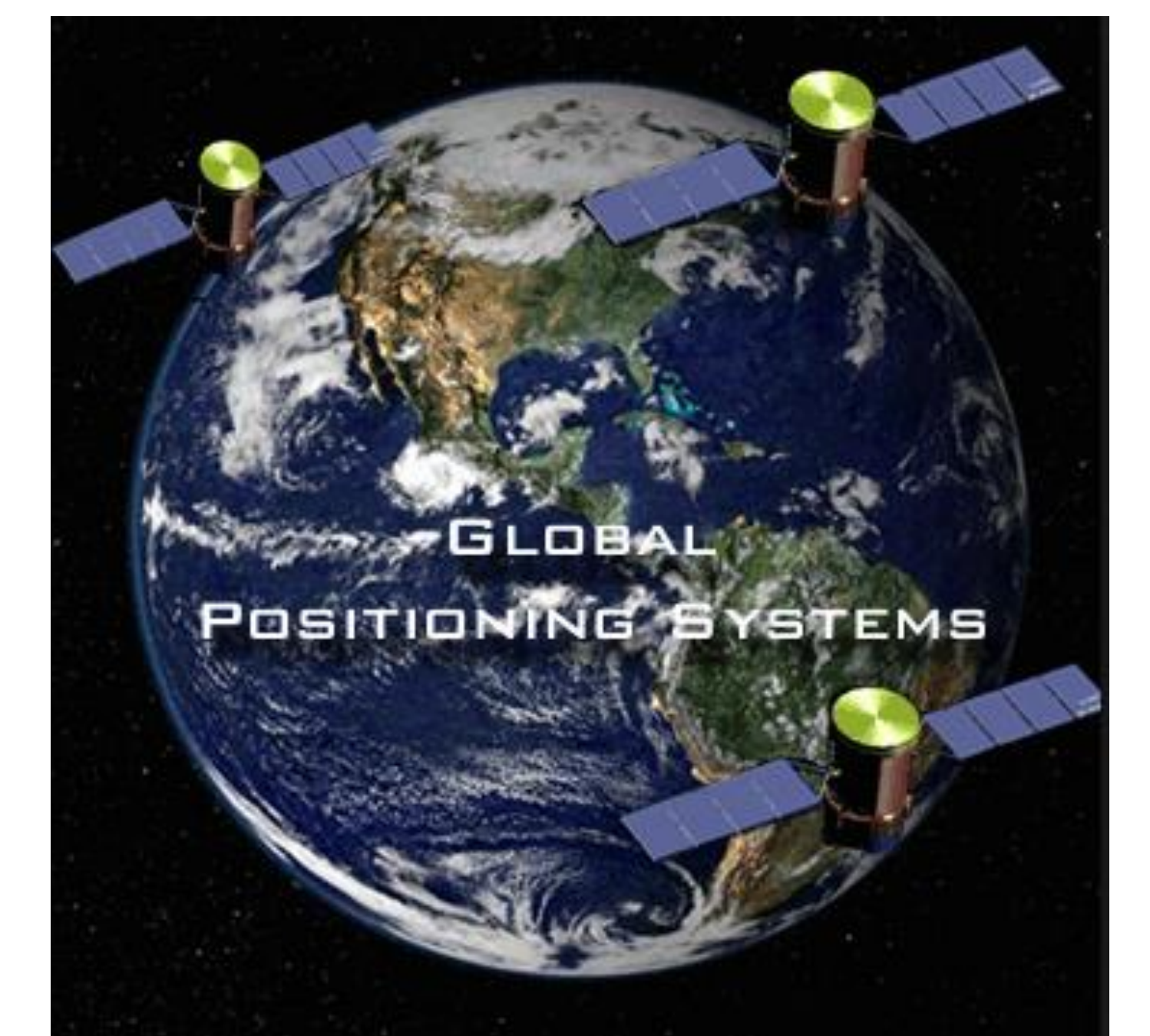
GIS Layers



Remotely Sensed Data



Global Positioning Systems



Ask a question

Acquire data

Analyze the data

Examine the results

Implement policies

**Emerging Discipline
High Growth Industry
Many Job Opportunities
Many Scholarships and
Internship
Opportunities**

**Get hands-on training at the State-of-the-Art
Geospatial Computing Center (ME 330)**



For any questions on the course please contact Director of BCC Geospatial Center of the CUNY CREST Institute.

Prof. Sunil Bhaskaran – Sunil_director.bgccci@bcc.cuny.edu / Sunil.Bhaskaran@bcc.cuny.edu

Geospatial Center Website - <http://www.bcc.cuny.edu/academics/geospatial-center-of-the-cuny-crest-institute/>