FRSC 489/102
Special Topics - Introduction to Spatial Sciences
(1 Credit)

Instructors: Dr. R. Srinivasan
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Office Hours: By appointment only. Please contact via email.

Prerequisite(s): None

Lecture: T 11:10 – 12:00

Text: No textbooks are required for this course.

Course Objectives:

The objective of this course is to provide students with an understanding of the spatial sciences, how they are applied for problem solving in a wide variety of fields, and what opportunities are available to professionals in the spatial sciences.

Attendance:

Make-ups on class assignments will not be allowed unless the student has a university-excused absence.

Grading:

Class Participation (attendance and class discussion/participation) 50 pts.
Assignments (written summary of weekly class presentations) 50 pts
Lecture Topics

1. General: What are the spatial sciences?  
   Week 1
   Week 2
3. GIS: hands-on lab  
   Week 3
   Week 4
5. GPS: hands-on lab  
   Week 5
6. Principles of Remote Sensing  
   Week 6
7. Remote Sensing: hands-on lab  
   Week 7
8. Water and flood study applications  
   Week 8
9. Emergency response  
   Week 9
10. Watershed modeling projects  
    Week 10
11. Wildlife management  
    Week 11
12. Natural resource management  
    Week 12
13. Environmental Consulting  
    Week 13
14. Urban Planning  
    Week 14

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Aggie Code of Honor: An Aggie does not lie, cheat or steal or tolerate those who do.

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

For additional information please visit: www.tamu.edu/aggiehonor/