With the explosion in the usage of GIS technologies as strategic tools within organizations, the demands on GIS professionals have rapidly changed from technical support in geospatial data handling to managing project based applications to supporting enterprise level geospatial information infrastructures.

GIS professionals undertake projects that involve team oriented approaches that integrate geographic information in many forms with consideration of the strategic, fiscal, and human resources engaged in and affected by the project. Project management in this context is not just an GIS-IT software, data collection or hardware project. It is much more.

This course will explore the principles of project management in a geospatial context covering both governmental and private sector issues. Topics include:

**Waterfall- Agile and other Project Management Approaches**

**Request for quotation/proposals (RFQ/RFP)**

**Project Requirements Definition - the features and functions of the project specification of deliverables, governmental standards and best practices**

**Project schedule / work schedule (Use of MS Project) Gantt chart usage**

**Resources Allocation and Financial Monitoring**

**Lifecycle issues- planning, analysis, design, prototyping/testing, implementation, and support - SWOT analysis**

The course will have a lecture component and presentations by project managers from the government and private sector on various topics.

Grading will be based on examination, individual and group projects.