**Project Management of Scientific and Information Technology Projects** - Geography 6162

**Wednesday 4:35pm -7:35 pm  OSH 215**

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Graduate Students from all Disciplines Welcome

Required course for the MSGIS program

This course approaches project management using the formalized Project Management Institute (PMI) Body of Knowledge providing the foundation for the Project Management Professional(PMP) Certification program**. With the explosion in the usage of information technologies as strategic tools within organizations, the demands on professionals have rapidly changed from technical support to managing project-based applications to supporting enterprise level (agency-business unit) information infrastructures.

Scientific and information technology professionals undertake projects that involve team oriented approaches that integrate strategic, fiscal, and human resources engaged in and affected by the project. Project management in this context is not just an IT software, data analysis or hardware project. It those items and much more. **Learn to do it RIGHT.**

This course will explore the principles of project management 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 -Gantt chart usage

**Resources Allocation and Financial Monitoring**

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

The course uses MS Project software to support student project development.

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.

**This course is not affiliated with the PMI or the PMP certification program.**