

## **GEOG 795: MPS GIS Professional Practices**

### **Syllabus**

#### **Instructor**

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#### **About the Course**

*Time:* 5:30m – 8:00pm, Mondays  
*Location:* Online (<http://elms.umd.edu>)

#### **Description**

This course will provide a preparation for students who are embarking upon professional careers with government agencies, companies, and other institutions who utilize geographic information science and technologies. The topics covered in this class include but not limited to: expectations and requirements of GIS professionals in government agencies from a manager perspective, understanding about Enterprise GIS, GIS data and services in DC, Maryland and Virginia, how to develop Resume and portfolio as a GIS professional, review of latest development in GIS field, research seminars in GIS and remote sensing, etc. Alumni from the MPSGIS program is also invited to talk about their GIS career in real world. The content of the class may vary in different years.

This course will focus upon preparing GIS practitioners for their future professional experiences and is only open to students in the MPS GIS program.

#### **Textbooks**

There is no required text for the course. Practitioners in the field will give presentations on the various topics.

#### **Assignments & Grading**

The grade is calculated based on the following:

- Discussion: 20%
- Written assignments: 80%

#### **Attendance Policy**

We will meet online at the announced time for a live audio/video lecture. The lecture will be archived for anyone who absolutely must miss the class. Still you are recommended to login at the appointed time so that you can ask questions and keep up with the course schedule.

**Course Schedule**

This is a tentative schedule and may be adjusted. Changes will be announced and posted on ELMS.

<b>Date</b>	<b>Lecture Topics</b>	<b>Speakers</b>	<b>Assignments</b>
June 5	Course Overview  Ethics in GIS <ul style="list-style-type: none"> <li>- Data privacy</li> <li>- Data copyright</li> <li>- Data sensitivity issue</li> </ul> Enterprise GIS  GIS Data and Services in the State of Maryland	Jack Ma  Guest lecture (video archive) <ul style="list-style-type: none"> <li>• Julia Fischer, GISP, Senior GIS Analyst, Maryland Department of Information Technology</li> </ul>	Discussion  Assignment 1
June 12	Tailor for GIS Positions <ul style="list-style-type: none"> <li>- How to Write a Resume</li> <li>- How to Write a Cover Letter</li> <li>- How to Identify Good references</li> <li>- Interview Tips and Techniques</li> </ul> Remote Sensing Research Seminar	Guest lecture (live) <ul style="list-style-type: none"> <li>• Crystal Sehlke, Program Director, UMD Career Center</li> </ul> Guest lecture (video archive) <ul style="list-style-type: none"> <li>• Peter Potapov, Research Professor, Dept. of Geographical Sciences</li> </ul>	Assignment 1 due Assignment 2 out
June 19	GIS Research Seminar  Remote Sensing Research Seminar	Guest lecture (live) <ul style="list-style-type: none"> <li>• Janet Nackoney, Assistant Research Professor, Dept. of Geographical Sciences</li> </ul> Guest lecture (video archive) <ul style="list-style-type: none"> <li>• Do-Hyung Kim, Research Associate, Dept. of Geographical Sciences</li> </ul>	Assignment 2 due Assignment 3 out
June 26	Remote Sensing Research Seminar  GIS in Real World <ul style="list-style-type: none"> <li>- GIS Skills that Managers Want</li> <li>- Skills Needed to Become a Manager</li> </ul>	Guest lecture (live) <ul style="list-style-type: none"> <li>• Huiran Jin, Research Associate, Dept. of Geographical Sciences</li> </ul> Guest lecture (video archive) <ul style="list-style-type: none"> <li>• Matt Ratcliff, Census Bureau</li> </ul>	Assignment 3 due Assignment 4 out

July 3	Latest development and trend in GIS Other topics <ul style="list-style-type: none"><li>• Business Analyst</li></ul>	Jack Ma Guest lecture (TBA)	Assignment 4 due