

# **Remote Sensing of the Environment**

**GEOG/GEOL 4093 – Fall, 2011 Pakorn Petchprayoon** CIRES Ekeley Building, S236 e-mail: pakorn.petchprayoon @colorado.edu

## **Reading Assignments**

**Mid Term Exam: 13 October, 2011**

**Final Exam: 8 December, 2011**

**Text Book:** Remote Sensing of the Environment: An Earth Resource Perspective, John R. Jensen, 2nd edition (2007), Prentice Hall Series

## **Weekly Reading list for MIDTERM**

- 23 Aug. Chapter 1 Remote Sensing of the Environment p.1-36
- 30 Sep. Chapter 2 Electromagnetic Radiation Principles p.37-60
- 6 Sep. Chapter 3 History of Areal Photo.& aerial platforms p.61-90
- 13 Sep. Chapter 7 Multispectral Remote Sensing Systems p.193-248
- 20 Sep. Chapter 8 Thermal Infrared Remote Sensing p.249-290
- 27 Oct. Chapter 9 Active and Passive Microwave p.291-334

**Mid Term Exam: 13 Oct, 2011**

## **Reading list for FINAL**

- 20 Oct EOS Reference Handbook  
[http://eosps0.gsfc.nasa.gov/ftp\\_docs/2006ReferenceHandbook.pdf](http://eosps0.gsfc.nasa.gov/ftp_docs/2006ReferenceHandbook.pdf)
- 25 Oct. Remote Sensing of Atmosphere Handout
- 1 Nov. Remote Sensing of Cryosphere Handout
- 8 Nov. Chapter 12 Remote Sensing of Water p.409 - 442
- 15 Nov. Chapter 11 Remote Sensing of Vegetation p.355 - 408
- 29 Nov. Chapter 14 Remote Sensing of Soils, Minerals p.507 - 568

**Final Exam: 8 Dec., 2011**