

CE 597 (029) ADjustment of Geospatial Observations Fall '08

Purdue University - School of Civil Engineering

last update 26-aug-08

Instructor

Jim Bethel, CIVL 4109, Tel: 494-6719, Email: bethel@ecn.purdue.edu

Primary Text

Analysis and Adjustment of Survey Observations, by Mikhail and Gracie (out of print), obtain copy from instructor, \$50, stopy by office if on campus, mail in check if off-campus (see postal address on home page). Make check out to "E. M. Mikhail".

References

Linear Algebra, Geodesy, and GPS, by Strang and Borre, Wellesley-Cambridge Press, 1997

GPS Satellite Surveying, by Leick, Wiley 2004

Numerical & Graphics Software (highly recommended)

Matlab Student Version, Matlab is available on all ITAP & ECN machines but with this you can work on your own machine untethered to the internet.

ITAP "DACS/Software Remote" also works from anywhere, but requires fast internet.

Class

T,Th 1:30-2:45 POTR 262

Office hours

any time is ok, ask early about assignments, not at last minute.

Grader / TA

None

Grading

1 Midterm Exam 38%, Final Exam 38%, Homework 24%, 1 page of notes allowed for exams

Homework

collaboration OK on concepts, but hand in your own work

Programming

you will need to become familiar with Matlab, later in the term we may do a GUI application

Web Address

<http://cobweb.ecn.purdue.edu/~bethel>, follow link for fall, 2008

note: prior years' sites are there, use for reference and help.

Topics generally the same, maybe different order, different emphasis. homeworks and exams will be different.

- [pdf version this page](#)
- [Syllabus](#)
- [Notes](#)

- [Homework](#)