CE 503 Photogrammetry I
Map Compilation / Feature & Terrain Extraction

1. There are 3 stereo models that we will use:
    a. Purdue north campus (3-6,3-8) ~1:4000
    b. London, Ontario (251,252) ~1:6000
    c. London, Ontario (252,253) ~1:6000
2. Individual assignments are
    a. (top half) Agosto, Beasley, Cetin, (bottom half) Dirks, Fu, Han
    b. (top half) Hawarey, Iyer, Li, (bottom half) Puatanachokchai, Rengarajan
    c. (top half) Shetty, Song, Swift, (bottom half) Wonnacott, Yentes, Youm
3. Work individually to compile
    a. Features: roads (edge of pavement), sidewalks, parking lots, building footprint, water bodies, vegetation/forest boundaries
    b. Topgraphy: mass elevation points, breaklines
    c. Later we will produce TINS and 1m contours from the elevation data
4. Make sure that you place the cursor on the feature in ALL THREE DIMENSIONS – XYZ before you collect a data point.
5. Assigned Friday, 25 October, 2002, due in 3 weeks – but I would like 2 intermediate progress plots on Fridays (1 Nov, 8 Nov)
6. There are 4 Erdas Imagine / Stereo Analyst workstations available: GIS lab (B147) civlb147pc9, civlb147pc10, Photogrammetry lab (G144) civlg144pc1, and the Geomatics lab (1115) civl1115pc7
7. Access the program via programs->CE programs->erdas imagine 8.5 -> Stereo Analyst. Access the data on \\geomatics\data\bethel\ce503. There you will find subirectories Purdue1, and London. These directories have precomputed pyramid layers. Inside these you will find a *.blk file which is the "orthobase block file". Open a feature project (in your own data directory), select or create the feature types, select one of the above block files. Use the NuVision LC-shutter glasses, make sure the LED trigger is lit after Stereo Analyst starts up. In theory you could use other computers in the GIS lab in anaglyph mode – but probably the performance is too slow with only standard graphics card.
8. Note that there are 17 students and 4 workstations so we cannot all wait until the last minute to do the work. I will leave a sign-up sheet at

each workstation where you may sign up for 2-hour time slots. Use your individual Purdue/ECN login.

9. For intermediate progress plots, turn in a harcopy plot. For final submission make a large scale hardcopy plot, and submit via email or on media – all shape files and auxiliary files produced. Your final map should have coordinate grid, scale, north arrow, title block, etc. compose the map on any workstation where ArcView GIS is installed.
10. Info on lab access will be given in class. Note that the labs are only for doing assigned course work, not general computing. Also no food and drink in the labs.