

**Surveying Engineering Department
Ferris State University**

**SURE 272 - Geomatics Computations
Winter 2005/06**

Homework #7

For all program assignments in SURE 272, provide the following information with any program:

- Print your program code and the form image and attach to your report
- Explain how your program works using a pseudo code or a flow chart
- Create a new folder for each program \HMK7\PROG\
- Save your program project, executable and **form** on a floppy disk (different folder for each program and attach the floppy disk to the report binder.
- Declare all your variables in the general declaration section
- Write comments in the body of your program to explain every step
- Attach the code to the assignment report.

Programming project:

Write a Visual Basic program to add and subtract two matrices, multiply a matrix by a scalar (i.e. $\alpha = 5$), multiply two matrices, and find the transpose of a matrix. The program will be in modular form with subprocedures being used to perform the calculations.