Professor: John Bardsley
Office: Math 210
Email: bardsleyj@mso.umt.edu
Time and Place: MTWF 1pm, Math 306.
Office Hours: MTW 2pm, subject to change. Feel free to stop by at, or set up a meeting for, other times.

LEARNING GOALS: By the end of the course you should:

1. be able to compute by hand, and using the computer, the LU, Cholesky, eigenvalue, SVD, and QR factorizations of a matrix, where applicable;
2. be able to write your own MATLAB code for doing matrix computations;
3. be able to implement iterative methods for solving linear systems of equations, least squares problems, and nonlinear equations;
4. understand some of the important applications large-scale computations in applied mathematics.

ASSESSMENT: Your course grade will be determined by your performance on the homework and, perhaps, one or more take-home exams and/or a final project.

STUDENT CONDUCT: All students need to be familiar with the Student Conduct Code. You can find it in the “A to Z Index” on the UM home page. All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University.

FOR ANY STUDENT WITH A DISABILITY: If you have a disability that has, or might have, an effect on your performance in this class, please let me know. I will do my best to accommodate you.

Important Dates:

9.19  Last day to drop/add via CyberBear or to change grade option to audit;

10.31  Last day to add or drop courses or change grading options, except audit, with advisors signature;

12.16, Friday, 1:10-3:10  Final exam and/or project presentations.