

**Math 4401**  
**Numerical Analysis**  
**Syllabus**  
**Spring, 2014**  
**Tim Olson, Professor**

**Topics:**

1. Solution finding methods
2. Interpolation theory
3. Approximation theory
4. Numerical Differentiation
5. Numerical Integration
6. Numerical Solution of ODE's

**Suggested Books:**

- An introduction to Numerical Analysis, Kendall E. Atkinson

**Grading Policy**

- Three tests worth 20 %
- Two project worth 20 %
- The final will be optional, to make up for deficiencies of former work
- Grading will be 90, 80, 70 % etc.

**Honesty and Honor Code:** Students should be aware of the honor code of the university and must behave appropriately