As stated on the course syllabus, 25% of the course evaluation is assigned to your “Individual Student Project”. Therefore I expect a substantial project from each student that utilizes the tools we’ve learned in this class to investigate a natural resources problem related to hydrology. If possible, I suggest that you come up with a project that is related to your graduate research program. You may want to discuss this with the chair of your graduate committee. At this time I am requesting a pre-proposal for your “individual student project”.

The final “Student Project” written report will be due by 5:00 pm on the final exam day. A 10-minute presentation of your project will also be scheduled during class.

**Required:**

1. Submit a pre-proposal for your “individual student project. At a minimum the pre-proposal should include the following sections:
   
   A. Statement of the problem to be investigated
      - What type of hydrology problem will be simulated?
      - What watershed will be used?
   
   B. A literature review for background information related to this problem
      - What is the current need for this investigation?
      - What is the history of this problem?
   
   C. Proposed methods to investigate this problem
      - How will the SWAT model be used in this project?
   
   D. What measured datasets are available in the watershed to be simulated?
      - weather data?
      - streamflow data?
      - water quality data?
   
   E. Expected results
      - What do you hope to learn for this project?
   
   F. References (at least 3)

**Note:** The last 2 or 3 weeks of the semester will be reserved for project work ➔ No homework assignments!