Office Hours: MWF 2:00 – 3:00 pm or by arrangement

Text: Environmental Hydrology 2nd Ed., Ward and Trimble, 2004

Course Description: An introduction to the processes controlling runoff and streamflow in a watershed. Basins in the Lake Whatcom watershed will be used as a model for teaching hydrological concepts. An overview of current hydrological issues will also be discussed.

General Topics to be Discussed

- Hydrologic Cycle and Water Budgets
- Measuring Streamflow and Hydrographs
- Precipitation, Interception and Fog Drip
- Infiltration, Percolation and Soil Storage
- Ground Water Hydrology
- Riparian and Hyporheic Zones
- Energy, Evaporation, and Transpiration
- Snow Hydrology
- Runoff and Hydrograph Analysis
- Flooding and Flood Control

I reserve the right to change the syllabus as required throughout the term to better meet the instructional needs of the class.

Homework: You will complete about 5 assignments that are designed to teach you how to gather, analyze, and interpret real data from a watershed.

Exams: One midterm exam and a comprehensive final exam will be given. You will be required to take all exams at the scheduled times. Make-up exams will be given only in the case of official prearranged absences or emergencies. An excused absence form from the office of Student Affairs is required.

Grading: The grading break down will be as follows:

- Homework ……. 30%
- Midterm ……….. 30%
- Final Exam …….. 40% The final exam is scheduled Tuesday Dec 7 at 3:30 pm

A grading scale will be as follows (a curve is possible but not certain):

100-93 = A, 92-90 = A-, 89-88 = B+, 87-83 = B, 82-80 = B-, 79-78 = C+, 77-73 = C, 72-70 = C-, 69-68 = D+, 67-63 = D, 62-60 = D-, 60 or below = F.

Academic honesty is an important part of every course at WWU. Please review the Academic Honesty Policy and Procedure in Appendix D of the 2010-2011 WWU Course Catalog for details (http://catalog.wwu.edu/).