

## **COURSE OUTLINE**

Date	Subject
Week 01	Introduction to watershed hydrology.
Week 02	Hydrologic processes within watersheds.
Week 03	Dynamics between surface water and subsurface water.
Week 04	Various research topics in watershed hydrology.
Week 05	Hydrologic analysis with GIS and remote sensing.
Week 06	Hydrologic analysis and first student presentation.
Week 07	Hydrologic modeling.
Week 08	Watershed-scale simulation of hydrologic simulation.
Week 09	Research topics for term project.
Week 10	Data preparation for hydrologic analysis.
Week 11	Simulation of hydrologic analysis.
Week 12	Uncertainty and statistical analysis.
Week 13	Risk assessment and report writing.
Week 14	Open for other watershed related topics.
Week 15	Second student presentation.
Week 16	Project due.

## **TEXTS**

There is no text required; the course will base on notes and papers.  
Suggested text: Watershed Hydrology by Peter E. Black

## **OFFICE HOURS**

Walk in or appointment

## **GRADING**

Homework sets	30%
First presentation	10%
First Report	10%
Second presentation	15%
Term project	35%