

Surficial Processes
Geol3020
Fall, 2006
Lectures (Dowd)

Aug 17	Introduction: Course requirements, course overview
Aug 22	Climate and precipitation
Aug 24	Vegetation: Interception/storage, stemflow, ET and PET
Aug 29	Streamflow: Discharge and velocity, stream gauging, weirs/flumes
Aug 31	Upland erosion processes
Sep 5	Statistical hydrology: Floods and droughts
Sep 7	Rainfall runoff: Processes
Sep 12	Rainfall runoff: Prediction
Sep 14	Groundwater: Terms and processes
Sep 19	Groundwater: Hydraulic approach
Sep 21	Soils - Processes
Sep 26	Soils - Taxonomy
Sep 28	Glacial processes
Oct 3	Eolian processes
Oct 5	Exam

Labs (Dowd)

Aug 22	Watershed delineation
Aug 29	PET
Sep 5	Statistical analysis of flow
Sep 12	Field trip - Stream gauging
Sep 19	Rainfall-runoff prediction
Sep 26	Groundwater
Oct 3	Soils field trip - Whitehall