

Surficial Processes
Geol3020
Fall, 2007
Lectures (Dowd)

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| Aug 16 | Introduction: Course requirements, course overview |
| Aug 21 | Climate and precipitation |
| Aug 23 | Vegetation: Interception/storage, stemflow, ET and PET |
| Aug 28 | Streamflow: Discharge and velocity, stream gauging, weirs/flumes |
| Aug 30 | Upland erosion processes |
| Sep 4 | Statistical hydrology: Floods and droughts |
| Sep 6 | Rainfall runoff: Processes |
| Sep 11 | Rainfall runoff: Prediction |
| Sep 13 | Groundwater: Terms and processes |
| Sep 18 | Groundwater: Hydraulic approach |
| Sep 20 | Soils - Processes |
| Sep 25 | Soils - Taxonomy |
| Sep 27 | Glacial processes |
| Oct 2 | Eolian processes |
| Oct 4 | Exam |

Labs (Dowd)

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| Aug 21 | Watershed delineation |
| Aug 28 | PET |
| Sep 4 | Statistical analysis of flow |
| Sep 11 | Field trip - Stream gauging |
| Sep 18 | Rainfall-runoff prediction |
| Sep 25 | Groundwater |
| Oct 2 | Soils field trip - Whitehall |