Key Words for Debris Flow Hazards and Processes
(i.e. check the notes, book, and readings to make sure you know the significance of these terms)

**Landforms**
hillslope
hollow
debris fan
hillslope gradient
channels

**Process**
weathering
mass wasting
  slide
  flow
  creep
  slump
debris flow
flow processes
  normal water flood
  hyperconcentrated flow
debris flow
lahar

**Material**
weathered mantle
  regolith
  colluvium
sediment texture
  clay
  silt
  sand
  gravel
volcaniclastic
diamicton
matrix
woody debris

**Physics Principles**
velocity
density
granular solids
viscous fluids
buoyancy
shear strength
dispersive pressure
pore pressure
sediment porosity
pore fluids
atmospheric pressure
positive pore pressure
negative pore pressure
dilation
liquefaction
shear strength
cohesive
non-cohesive
soil strength
root strength

**Debris Flow Features**
snout
high friction gravel rind
lobe
superelevation
levee
sediment bulking
rapidly moving landslides
channel erosion
channel deposition
stream alteration
head scar
transport zone
runout zone
woody debris dam

**Debris Flow Occurrence**
rates of colluviation
hollow filling
recurrence interval
clear cutting
triggers
  meteorologic
  seismic
  anthropogenic
  road cut
  loading
rainfall intensity
hazard - likelihood of occurrence
Risk - degree of consequences
Debris Flow Hazard Mitigation
Engineered Solutions
structures / diversions
Planning Solutions