

## **Earth Science (ENV 1050) Topics – 3**

### Sediments, Sedimentary Rocks & Sedimentary Features

#### **Weathering**

Chemical Weathering  
Erosion  
Frost Riving  
Hydration  
Leaching  
Mechanical Weathering  
Mineral Stability  
Talus Slopes

#### **Soils**

Caliche  
Regolith  
Soil Erosion  
Soil Texture  
Soil Type  
The Soil Profile

#### **Sedimentary Rocks**

Chemical Rocks  
Clastic Rocks  
Diagenesis  
Lithification  
Maturity  
Permeability  
Porosity – Primary & Secondary  
Roundness & Sphericity  
Sorting

#### **Desert Features**

Deflation  
Desert Pavements  
Eolian Deposits  
Loess  
Playa Lakes  
Sand Dunes

#### **Glaciers**

Advancing & Retreating Glaciers  
Alpine & Continental Glaciers  
Depositional Features  
Erosional Features  
Glacial Ice

#### **Mechanisms of Transport & Features**

Bedload  
Capacity  
Competence  
Discharge  
Saltation  
Solution  
Suspension  
Sedimentary Structures  
Transport indicators  
Younging Indicators  
Cross-bedding

#### **Contact Relationships**

Angular Unconformity  
Disconformity  
Non-Conformity  
Gradational  
Sharp

#### **Fluvial Environments**

Graded Stream  
Alluvial Fans  
Braided Streams  
Deltas  
Meandering Streams

#### **Drainage Networks**

Dendritic  
Radial  
Rectangular  
Trellis

#### **Groundwater**

Aquifer  
Artesian Well  
Cone of Depression  
Saturated & Unsaturated Zones  
Water Table

#### **Oceans**

Eustacy  
Longshore Drift  
Salinity  
Tides: Spring & Neap  
Transgression & Regression  
Waves