

GEOMORPHOLOGY

**Geography 4350 – Spring 2026
Revised Lecture, Lab & Exam Schedule**

DATE	TOPICS
Jan 13	Introduction; getting organized; Q&A
	PART I. STRUCTURES - THE RESISTIVE FRAMEWORK
15	Global geomorphology – orogenesis, tectonic structures of North America
20	Lab 1: Tectonic structures of Texas (EESAT 336)
22	Diastrophism - Folded, faulted and tilted strata
27	UNT CLOSED (class independently covers Lecture Diastrophism - Landforms related to structures)
29	UNT CLOSED (class independently covers Lecture Diastrophism - Landforms related to structures)
Feb. 3	Lab 2: Landforms and geologic structures
5	Volcanic structures – igneous rocks as geologic components
10	EXAM I
	PART II. MATERIALS - THE RESISTIVE ELEMENTS
12	Soil slopes
17	Rock slopes
	PART III. PROCESSES - AGENTS OF ENERGY EXPENDITURE
19	Lab 3: Landslides
24	Gravity - hydrologic cycle and hill slopes
26	Water I: stream networks
March 3	Lab 4: Streams in Denton (mini field trip)
5	EXAM 2
9-15	SPRING BREAK
17	Water II: stream erosion
19	Lab 5: North Texas stream networks
24	Water III: river valleys and floodplains
26	Lab 6: North Texas floodplains
28	Field Trip to Dallas County, Saturday 28th March
31	Lab 7: Hydrological Effects of Urbanization: White Rock Creek (EESAT 340)
April 2	Lab 8: Woodbine sandstone outliers in Denton (mini field trip)
7	Lab 9: Flood control in Denton (mini field trip)
9	EXAM 3
14	Waves - coastal processes and landforms
16	Lab 10: Coastal marsh sedimentation on the Trinity River estuary (EESAT 340)
	PART IV. LEGACY OF THE QUATERNARY
21	Glacial Landforms
	PART V. APPLIED GEOMORPHOLOGY
23	Lake sedimentation in Texas
28	Coastal erosion in Texas
30	Review (optional). Project due in class.
?	FINAL EXAM.