

**HUNTER COLLEGE - CUNY
DEPARTMENT OF GEOGRAPHY
GEOG 30604/70503 - NATURE OF NEW YORK**

**EXAM 1: 15% of final grade
Friday, March 16, 2018**

Review:

1. PowerPoint Lecture slides from Home Page: Intro to Population
2. Class notes
3. Handouts from Home Page
4. Maps from Home Page and in NYGA Atlas
5. Adopt a County, Watersheds and Population exercises

Readings:

1. ***The Nature of New York: An Environmental History of the Empire State.***
Introduction to book
2. ***New York State: Peoples, Places and Priorities.*** Introduction to book
3. ***Internet Readings Site*** – see R on the Course Home Page and those highlighted on the lecture slides.
4. ***Geology of New York – A Simplified Account***
Chapter 1 Introduction, pp. 3-4
Chapter 2 Geologic Time, pp. 5 and 8
Chapter 3 Plate Tectonic History, p. 11 Summary
Chapter 4 Adirondacks, pp. 23-25, 28-29 (mid), 37-38, 42
Chapter 5 Hudson Highlands and Manhattan Prong, pp. 45-51
Chapter 6 Hudson Lowlands and Taconics, p. 53-54 top Summary & Description
Chapter 7 Northern Lowlands and the Tug Hill Plateau, p. 67-68 Summary
Chapter 8 Allegheny Plateau, pp. 101-104 top; plants and animals, 126-129
Chapter 9 Newark Lowlands, pp.139-44
Chapter 10 Coastal area, pp. 149-50.
Chapter 11 Tertiary Period, p. 157 -159
Chapter 12 Glaciation, pp. 161-81.
Chapter 13 Glacial Features, pp. 185-193
Chapter 14 Holocene Epoch - the present, p. 195-198
Chapter 16 Hydrogeology, pp. 225-30
NOTE: *There is a glossary at the end of the book.*

EXAM FORMAT:

The midterm exam will have two parts:

Part 1 is a **take-home** question due on March 16.

Part 2 is the **in-class portion** consisting of a map-based multiple-choice question format section and an essay section where you will write on three topics from a choice of five.

- ✓ **45%: Take-home comparative regional geography of your three counties.** This organized and researched paper will focus on each county's characteristics including geologic setting, effect of glaciation, climate influences, water resources/quality issues and population distribution/issues. *Be sure to include appropriate maps, including a county locator map and a bibliography.*
- ✓ **25%: In-class map-based multiple-choice questions** (*see place name and definition lists on next page*).
- ✓ **30%: In-class written response to three questions about major topics** such as the six listed below. *Note definition/terminology list on the next page.*
 1. Aspects of weather, climate development and climate change in NYS.

2. Glacial processes and the effects of glaciation statewide.
3. Comparison of physiographic regions (review chart)
4. Paleogeography of NYS that has created the present-day landscape.
5. Water resources and water quality issues as drainage basins, rivers and lakes, fracking, Long Island groundwater, and NYC water supply.
6. Population issues affecting NYS as distribution, aging, health, employment and social services

Place Name List for map questions:

Adirondacks	Genesee River	Manhattan Island	Staten Island
Allegheny Plateau	Hudson River	Massachusetts	Susquehanna River
Allegheny River	Lake Cayuga	Mohawk River	The Finger Lakes
Atlantic Coastal Plain	Lake Champlain	New England Uplands	Thousand Islands
Appalachian Uplands	Lake Erie	New Jersey	Tonawanda Creek
Atlantic Ocean	Lake George	Niagara River	Triassic (Newark) Lowlands
Black River	Lake Keuka	Ontario Province	Tug Hill Plateau
Canada	Lake Oneida	Oswego River	Upper N Y Bay
Catskills	Lake Ontario	Pennsylvania	Vermont
Chautauqua Lake	Lake Seneca	Quebec Province	Wallkill River
Connecticut	Long Island	Richelieu River	
Delaware River	Long Island Sound	St. Lawrence River	
Erie-Ontario Lowlands	Lower New York Bay		

Definitions and terminology:

acid precipitation	escarpment (scarp)	kame	sedimentary rock
Adirondack dome	esker	kettle	sill
aging population	estuary	kettle lake	storm surge
air mass	fault	lake-effect snow	surface water
alluvial plain	floodplain	lobe	surficial deposits
aquifer	Frontenac Arch	Marcellus Shale	terminal moraine
arête	geologic processes	melt water	till
barrier island	geologic province	metamorphic rock	topography
bedrock	glacial drift	microclimate	Utica Shale
biosphere	glacial lake	moraine	U-shaped valley
Canadian Shield	glaciation	mountain glacier	V-shaped valley
cap rock	glacier	orographic precipitation	vital statistics
Catskill Delta	groundwater	outwash	waterfront
cirque	hanging valley	paleogeography	- public
climate	headwaters	physiographic province (or region)	- developed
coastal zone	hydraulic fracturing (fracking)	population corridor	- working
cone of depression	hydrogeology	population pyramid	- natural
continental ice sheet	hydrology	rain shadow	water table
demography	Ice Age	recessional moraine	weather
disease tracking	ice front	recharge zone	Wisconsin Stage
drainage basin	igneous rock	region	
drumlin	inland sea	runoff	
erratic	interglacial period		