REMINDERS

DEXAMII - New Date is Tuesday, April 17. Get study guide from course home page.

TEXTBOOK READING FOR EXAM II

WEATHER and CLIMATE: Ch. 2 LITHOSPHERE: chapter 3 BIOSPHERE: chapter 4 EARTH RESOURCES: chapter 5

- ❖ Two required essays (10%) were due March 27. Late penalty now applies
- Extra Credit: "Think Geographically" Essays from any five of Chapters 4-12 chapters or the 3rd topic from required essay list plus 4 chapter essays.
 - Last day to submit is May 15 but it is best to do them as you finish reading a chapter.

Any essay may be submitted before the deadline.
 Don't wait for the night before to write them!!

GEOG 101 Part II
People and their
Physical Environment

17: Earth Habitat

Human Impact and Natural Processes (aka Hazards)

Prof. Anthony Grande
Hunter College Geography

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PART II: People and their Physical Environment

- ✓ I. Introduction to the Physical Environment
- ✓ II. Earth-Sun Relationship
- ✓ III. Earth Systems
- ✓ A. The Hydrosphere: Oceans
- ✓ B. The Atmosphere: Weather and Climate
- ✓ C. The Lithosphere: Geologic Influences

IV. Earth Habitat

- ✓ A. Biosphere
- ✓ B. Natural Controls and Cycles
- C. Human Impact
- D. Natural Hazards
 - E. Resources

LANDSCAPES

- ✓ Physical landscape = natural conditions
- ✓ Cultural landscape = imprint of human activity
- > The physical landscape influences the development of cultural landscape:

economic activity architecture/clothing

technology/inventions

LANDSCAPES

- Throughout human history people cope with their environment and deal with natural processes.
- > The natural processes that are harmful to them are called "hazards."
- Actions of people impinge on nature and can be disruptive – pollution; agricultural methods; importing nonnative plants, insects and animals; killing/extinction of species
- People must be aware of their actions and anticipate consequences.
- At the same time they must be cognizant on ways to protect the environment.

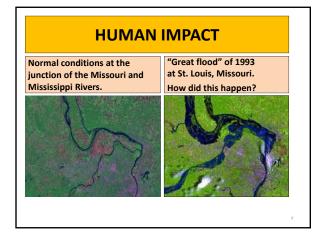
HUMAN IMPACT

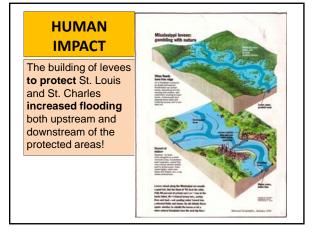
Humans have had an impact on the natural environment from the beginning of their existence.

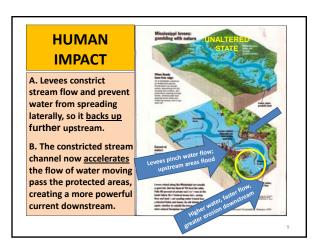
- Interfered with natural cycles
- Disrupted natural controls
- In spite of technological advancements, cannot control natural processes which are then referred to as NATURAL HAZARDS

https://www.youtube.com/watch?v=6VUPIX7yEOM Greenhouse Effect, 4 min https://www.youtube.com/watch?v=G4H1N_yXBiA Climate change and People, 4 min

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NATURAL PROCESS/NATURAL HAZARD

The chief natural process killers of people over the last 100 years are ... ?

- 1. drought (10 million people)
- 2. floods (6.8 mil)
- 3. earthquakes (1.8 mil)
- 4. wind (1.2 mil)
- 5. volcanoes (0.9 mil)
- 6. mass movements land and snow (0.5 mil)

Heat waves and cold spells are silent killers.

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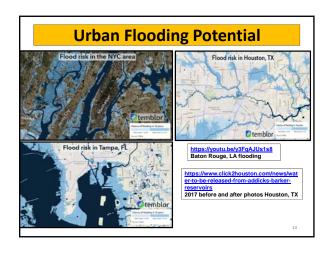
NATURAL PROCESS/NATURAL HAZARD

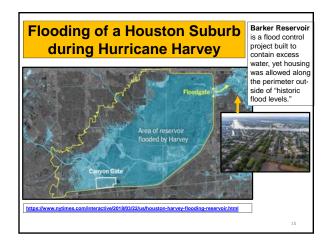
We must learn to live with the "hazards."

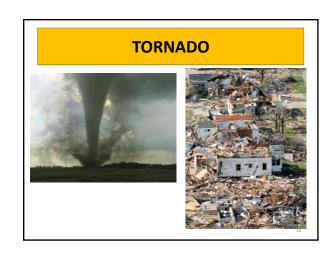
- ✓ Learn to avoid them
- ✓ Have selective land use
- ✓ Predict their occurrences
- ✓ Develop technology to protect ourselves

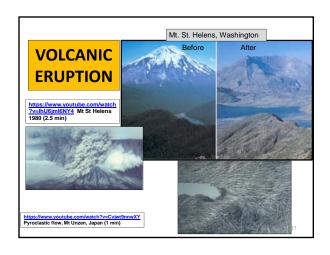
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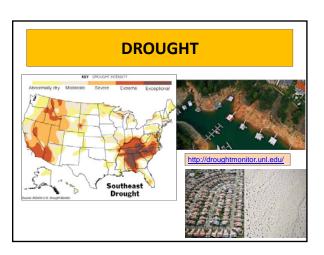


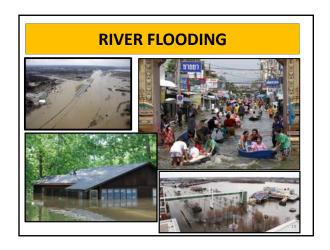






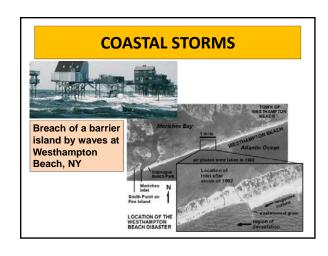




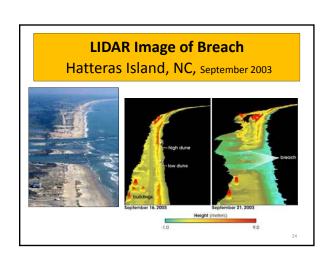












Part II: Exam Topics

- I. Intro. to the Physical Environment
 II. Earth-Sun Relationship
- III. Earth Systems
 - The Hydrosphere: Oceans
 - The Atmosphere: Weather and Climate - The Lithosphere: Geologic Influences
- IV. Earth Habitat and Environmental Protection
 - Biosphere
 - Natural Controls and Cycles
 - Human Impact
 - Natural Hazards
 - Resources

EXAM 2 is on
Tues, Apr. 17 and
will cover all the
topics in Part II.
See Study Guide II
on the course home
page for definitions
and place names
for North America,
South America and
Antarctica.

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