

GEOG 1010 Exam 1 review outline
Know the processes and concepts associated with the following:

Intro to Geography and Themes

- geography definition
- spatial science and examples

Geospatial technology, Maps and Scale

- know what Remote Sensing (RS), GPS, and GIS are and how they work
- benefits of RS
- what Lidar is and what it does
- types of maps and characteristics
- use of contours to interpret relief
- concept of scale
- large vs small scale
- be able to understand RF scales and how to use

culture, globalization, and diversity

- culture characteristics
- spectrum of culture types
- globalization
- what it is
- major component
- 3 waves
- driving forces
- economic implications
- cultural implications
- cultural imperialism, nationalism, syncretism

Population and the Demographic transition

- measures of population growth
- developed vs. developing worlds
- population pyramids
- population density
- population explosion
 - Malthusian vs. optimistic (technocratic) view
 - Hunger and famine in world
- demographic transition
- population control

model characteristics for each stage

- family planning policies as a means to control growth

geopolitics

- entities of geopolitical space and characteristics
- centripetal and centrifugal forces
- examples of recent changes of political space and forces involved
- examples of current conflicts over geopolitical space
- terms: balkanization, separatists, nationalism
- boundary types and examples

Climate

- global warming debate
- climate vs. weather
- temp controls
- precipitation controls
 - air masses
 - lifting mechanisms
- climate controls (the role that each plays in the two major climate characteristics)
 - solar energy
 - insolation
 - re-radiation
 - greenhouse effect
 - latitude and tilt of earth
 - distribution of insolation on the surface
 - seasonal changes
 - what happens with ITCZ

global pressure

- horizontal wind movement
- the hadley cell and vertical movement
- evaporation vs. precip at itcz & shpb

Climate continued.....

- land vs. water
 - continental vs. marine
- topography
- koppen classification
 - A, B, C, D, E climate names, locations, and characteristics
 - Interrelate back with climate controls

Plate tectonics

- difference between tectonic forces and denudation
- structure of inner earth
- plate tectonics
 - evolution of theory
 - pieces of evidence
 - plate densities and importance in boundary interaction
- types and characteristics of plate boundaries
 - 3 general types and examples
 - types of volcanoes and landforms
 - natural hazards for plate boundaries
 - importance of crust type in terms of explosivity
 - locations of different plate boundaries

*****remember to bring a scantron**