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
- forces that flattened the world
- 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