

<u>WEEK(S)</u>	<u>LECTURE TOPIC(S)</u>	<u>TEXTBOOK CHAPTER(S)</u>
November 21 st -30 th	<ul style="list-style-type: none"> • populations <ul style="list-style-type: none"> - characteristics (size, etc.) - dispersion patterns - growth patterns (exponential, logistic growth) - factors that limit growth 	Chapter 40.1
	<ul style="list-style-type: none"> - carrying capacity (K) - density dependent factors - density independent factors 	Chapter 40.2
	<ul style="list-style-type: none"> • communities and habitats <ul style="list-style-type: none"> - niche(s) - producer, consumer, decomposer 	Chapter 41.4
	<ul style="list-style-type: none"> - interactions <ul style="list-style-type: none"> - symbiosis <ul style="list-style-type: none"> - mutualism, parasitism, commensalism, predation 	Chapter 41.5-6
	<ul style="list-style-type: none"> • succession <ul style="list-style-type: none"> - primary - secondary 	Chapter 41.7
	<ul style="list-style-type: none"> • problems <ul style="list-style-type: none"> - global pollution - greenhouse effect - exploitation of floral and fauna species - over population - nuclear wastes - human "carbon footprints" 	
	<ul style="list-style-type: none"> • solutions <ul style="list-style-type: none"> - Clean Air Act - 1963 - Clean Water Act - 1977 - Conservation of Resources - Endangered Species (plants and animals) list 	
<ul style="list-style-type: none"> • natural means of population control <ul style="list-style-type: none"> - famine, floods, fires, migrations, food shortages 		

WEEK(S)

LECTURE TOPIC(S)

TEXTBOOK CHAPTER(S)

November 21st-30th

- artificial means of population control
 - pheromones
 - surgical sterilizations
 - irradiation sterilizations
 - chemosterilants

IMPORTANT TOPICS

- * THE BIOSPHERE
- * POLLUTION of the PLANT
- * EXPLOITATION OF SPECIES
- * NATURAL RESOURCES
- * EUTROPHICATION
- * THE CLEAN AIR ACT - 1963
- * THE CLEAN WATER ACT - 1977
- * GLOBAL WARMING
- * ACID RAIN
- * OIL SPILLS
- * POTABLE WATER
- * THE GREENHOUSE EFFECT
- * RACHAEL CARSON'S - "SILENT SPRING"
- * BIODEGRADABLE and NON-BIODEGRADABLE PRODUCTS
- * INDIVIDUAL CARBON FOOTPRINT on the PLANET
- * THE "GREEN" INITIATIVE

Exam IV—Units VIII and IX