By the end of this unit, students will be able to…

- State the impact that overharvesting and overhunting have on species extinction rates.
- Summarize how the passenger pigeon went extinct.
- Define wildlife management.
- Provide examples of practices that are a part of wildlife management.
- Define passive habitat management and compare it to active habitat management.
- Summarize why passive habitat management is not an ideal practice for ecosystems.
- Define each of the following: active management; featured species approach; species richness approach; mark-recapture method.
- Summarize how each of the following could be used to estimate a species' population: complete counts; incomplete counts; indirect counts; DNA testing
- perform the mark-recapture method and estimate a species' population in an area for given information.
- Define carrying capacity and summarize how this concept can be used to manage a species' population.
- Provide examples for each of the three kinds of survivorship curves.
- Compare and contrast logarithmic growth to exponential growth curves for a species' population.
- Compare and contrast K-selection vs. r-selection for a species' population.
- State how a species' management changes if they are density-independent.
- Provide examples of negative feedback in regards to species' population self-regulation
- define and provide examples of a keystone species.
- Define the following: threatened species; endangered species; CRP; recovery