

CONSERVATION GENETICS

NEW - Biological Sciences Course - Spring 2012!



Cheetah – low genetic diversity

CONSERVATION GENETICS is an interdisciplinary science that applies molecular methods to the conservation and restoration of biodiversity. An underlying premise is that ecological and evolutionary processes shaping biodiversity must be understood in order to preserve species and the environments they depend on. The field draws expertise from a variety of disciplines, including population genetics, molecular ecology, evolutionary biology, phylogenetic systematics and biogeography.

Students will learn how to (a) apply evolutionary and ecological concepts in a conservation context, (b) use genetic information for biodiversity management, and (c) analyze genetic data to define conservation units.

Pre-requisites: Biology core courses (evolution, ecology, genetics, cell biology)
Junior standing or above

Registration Details: The course (offered for the first time) is listed as “Special Topics”

Undergraduates: BIOL480V-012 (ISIS 9637) – sign up for 3 credits
Graduate Students: BIOL580V-012 (ISIS 9654) – sign up for 4 credits

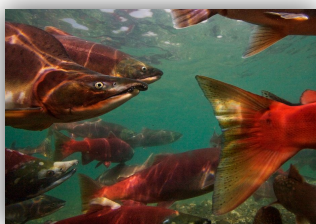
Time: 4 hours per week, **Monday, Wednesday, Friday 3:30-5:20 PM**

Instructor: Dr. Marlis R Douglas, mrd1@uark.edu

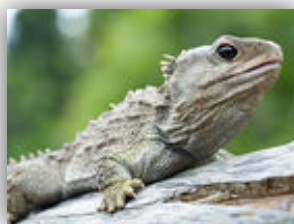
What do these species have in common?



They are all endangered



Pacific Salmon



Tuatara



Golden Eagle



Rhinoceros

