



U.S. Fish & Wildlife Service

National Conservation Training Center

Conserving the Nature of America

CSP3148 - Applied Conservation Genetics

Course Code	CSP3148
Course Title	Applied Conservation Genetics
Description	<p>Resource professionals are increasingly confronted with issues where genetic data have major implications for the evaluation, management, or restoration of populations. This course is designed to provide resource professionals at the laboratory, field, and management levels with the background and tools to evaluate issues where genetic data play a major role in decision making. Using basic terminology, key concepts and tools, students may be better able to understand and interpret key components of genetic studies (reports, publications and proposals). More specifically, the course aims to identify how genetic information can be used to inform each step of the U.S. Fish and Wildlife Service's Strategic Habitat Conservation (SHC) process including biological planning, conservation design, conservation delivery, outcome-based monitoring, and assumption-based research.</p> <p>PREREQUISITE:</p> <p>Introduction to Conservation Genetics (CSP3157)</p> <p>OBJECTIVES:</p> <ul style="list-style-type: none">• Upon completion of this course, participants will be able to:• Evaluate information in the genetic scientific literature and explain how it could be used to make management decisions (status reviews, management plans, monitoring, and the listing process);• Evaluate project proposals and reports and identify if appropriate genetic data collection and analysis methods have been used to answer questions of management concern;• Describe the benefits and limitations of applying genetic analyses to management issues;• Identify or develop appropriate study designs using the basic principles of conservation genetics;• Create captive propagation plans using the basic principles of conservation genetics;• Understand key concepts and general methods well enough to formulate questions for further discussions with conservation genetic professionals. <p>TARGET AUDIENCE:</p> <p>Resource professionals that utilize applied conservation genetic information to evaluate populations/species and make management decisions. This course is designed to provide professionals at all levels with the background and tools needed to evaluate issues from the listing process to recovery and finally delisting. Introduction to Conservation Genetics (CSP3157) is a prerequisite.</p>
Delivery Method	Instructor Led
Non-FWS Fee	\$995.00
Instructional Hours	36
Credits/CEUs	3.0
Course Content Contact	Jim Siegel; jim_siegel@fws.gov (304) 876-7479; ;
Curriculum Category	Wildlife Biology and Field Techniques
Course Frequency	Once per year
Registration Link	Register in DOI Talent
DOI TALENT Course Type	ILT
College Credit Name	Semester Hours

College Credit Value	2

Schedule: CSP3148 - Applied Conservation Genetics

Start	End	Location	Session Contact
7/22/2019	7/26/2019	National Conservation Training Center (NCTC)	brenda_hooper@fws.gov