



U.S. Fish & Wildlife Service

National Conservation Training Center

Conserving the Nature of America

CSP1102 - Freshwater Mussel Propagation for Restoration

Course Code	CSP1102
Course Title	Freshwater Mussel Propagation for Restoration
Description	<p>Freshwater Mussel Propagation for Restoration is an introductory course designed to explore all culture activities associated with freshwater mussels. Participants will explore the latest culture techniques as they follow freshwater mussels through their entire life cycle in a culture facility, from the collection of gravid females to stocking cultured juvenile freshwater mussels. Following a basic introduction on mussel biology and the goals of mussel propagation, the course will cover the basics of building a culture facility, collecting and maintaining brood stock, collecting host species, inoculating host species with larval mussels, collecting and culturing juvenile mussels, and releasing juveniles to the wild.</p> <p>Objectives: Upon completion of this course, participants will be able to:</p> <ul style="list-style-type: none">• describe the internal and external anatomy of a freshwater mussel• design a freshwater mussel culture facility• collect and maintain freshwater mussel brood stock in captivity• collect and maintain host species in captivity• harvest freshwater mussel larvae and inoculate host species• collect newly metamorphosed juvenile mussels and culture them for release• describe the advantages and disadvantages of the various techniques, equipment, and culture units used in freshwater mussel propagation throughout the United States.• release and monitor cultured juvenile freshwater mussels• maintain accurate records and publish results <p>Target Audience: Biologists interested in freshwater mussel biology and freshwater mussel culture techniques.</p>
Delivery Method	Instructor Led
Non-FWS Fee	\$1,195.00
Instructional Hours	36
Credits/CEUs	3.0
Course Content Contact	Matthew Patterson: matthew_patterson@fws.gov ; (304) 876-7473; matthew_patterson@fws.gov
Curriculum Category	Aquatic Species Biology and Conservation
Course Frequency	Every other year
Registration Link	Register in DOI Talent
DOI TALENT Course Type	ILT
College Credit Name	Semester Hours

College Credit Value	2

Schedule: CSP1102 - Freshwater Mussel Propagation for Restoration

Start	End	Session Information	Location	Session Contact
9/16/2019	9/20/2019		National Conservation Training Center (NCTC)	sharon_howard@fws.gov