



U.S. Fish & Wildlife Service

National Conservation Training Center

Conserving the Nature of America

CSP2221 - Macroinvertebrate Ecology and Identification

Course Code	CSP2221
Course Title	Macroinvertebrate Ecology and Identification
Description	<p>The 'Hands-On', field and lab intensive courses covers the ecology of North American freshwater macroinvertebrates as well as sampling and identification techniques. The goal is to develop participant knowledge of macroinvertebrate ecology and identification skills. Each day, ecological principles will be discussed in the morning followed by afternoon collecting exercises in local streams and ponds. Collected macroinvertebrates will be identified to family level (some to genus level) back at the lab. Each participant will form an individual reference collection for her or his continued use after course completion. For a macroinvertebrate key, go to Macroinvertebrate Key Online from NY DEC.</p> <p>Objectives:</p> <ul style="list-style-type: none"> - Describe common life history strategies of macroinvertebrate taxa; - Describe habits and trophic group types; - Describe macroinvertebrate patterns of abundance based on physical and chemical habitat templates; - Discuss effect of impairment on assemblage composition; - Correctly use a variety of sampling gears; - Use proper collecting, labeling, and preservation techniques; and - Correctly identify unknown specimens by following methods demonstrated in the course. <p>Target Audience: Anyone needing background in macroinvertebrate ecology and identification. For example, biologists interest in using or understanding macroinvertebrates as a component of aquatic monitoring programs. Preparatory for FIS2320 - Monitoring Aquatic Biota</p>
Delivery Method	Instructor Led
Non-FWS Fee	\$1,195.00
Instructional Hours	38
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
Registration Link	Register
DOI LEARN Course Type	ILT
College Credit Name	Semester Hours
College Credit Value	2

Schedule: CSP2221 - Macroinvertebrate Ecology and Identification

Start	End	Session Information	Location	Session Contact
4/8/2019	4/12/2019	For registration questions: sharon_howard@fws.gov For course content questions: matthew_patterson@fws.gov Class begins at 8:00 am the first day and ends at noon on the last	National Conservation Training Center (NCTC)	Sharon Howard; sharon_howard@fws.gov