# CSP2101 - Applied Landscape-Scale Conservation Biology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>CSP2101</th>
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<tbody>
<tr>
<td>Course Title</td>
<td>Applied Landscape-Scale Conservation Biology</td>
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**Description:** This course provides students with a foundation in the principles of Conservation Biology and Landscape Ecology needed for designing sustainable landscapes. Students will learn how to apply these principles at the landscape scale and within a Strategic Habitat Conservation framework. Within the context of landscape conservation and climate change, the course entails a variety of exercises covering species diversity, genetic drift, effective population size, demographic and environmental stochasticity, single population and meta-population viability analyses, habitat fragmentation and connectivity.

**Who Should Attend:** This class is designed for anyone who wants a core understanding of Conservation Biology and Landscape Ecology and their application to conservation planning.

**Length:** 4.5 days/36 hours. **College Credit:** 2 semester hours. After completing this course, participants become eligible for CSP2104 – Conservation Biology - Independent Study (1 credit hour).

**Instructor:** Dr. Curt Griffin, Professor of Wildlife Ecology, University of Massachusetts, Amherst, MA

**Objectives:**
By the end of the training, the participant will be able to:

- Understand the principles of Conservation Biology and Landscape Ecology and their application to conservation planning
- Develop measurable biological objectives and monitoring programs for adaptive management
- Conduct viability analyses for single populations and meta-populations
- Understand implications of habitat fragmentation, such as edge effects, connectivity, patch dynamics
- Learn to set priorities for designing sustainable landscapes and conservation planning

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<tr>
<th>Delivery Method</th>
<th>Instructor Led</th>
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<tbody>
<tr>
<td>Non-FWS Fee</td>
<td>$995.00</td>
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<tr>
<td>Instructional Hours</td>
<td>36</td>
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<tr>
<td>Credits/CEUs</td>
<td>3.0</td>
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**Course Content Contact**
Jennifer Ryan; jennifer_ryan@fws.gov; (304) 876-7677; jennifer_ryan@fws.gov

**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: CSP2101 - Applied Landscape-Scale Conservation Biology

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<tr>
<th>Start</th>
<th>End</th>
<th>Session Information</th>
<th>Location</th>
<th>Session Contact</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>1/14/2019</td>
<td>1/18/2019</td>
<td>Content: Jen Ryan, <a href="mailto:jennifer_ryan@fws.gov">jennifer_ryan@fws.gov</a></td>
<td>National Conservation Training Center (NCTC)</td>
<td>Registration Questions: Brenda Hooper, <a href="mailto:brenda_hooper@fws.gov">brenda_hooper@fws.gov</a></td>
<td>Class Hours: Monday-Thursday 8:00-5:00 Friday 8:00-12:00</td>
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