NATIONAL ADVANCED SILVICULTURE PROGRAM (NASP)

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USDA Forest Service
Durham, NH

Outline

- What is NASP
- Why NASP is important
- How NASP came about
- Eastern Region Steps to Certification
NASP is.......... 

- National Advanced Silviculture Program
- Attendees – FS, BLM, BIA, and States
- Graduate-level training
- Four National Modules
- Local Modules
- Project stand

Why NASP is important
Why NASP is important

NASP is a must for Certification

- All vegetation activities
- Prescription
- Certified Silviculturist

Forest Service Certification

- A Certified Silviculturist with the US Forest Service is:
  - Certified by the Regional Forester
  - Experienced
  - Trained
  - Tested
  - Recertified
NASP is key for:

- Silvicultural prescriptions
  - complex
  - environmentally-sound
- Educate and train
  - state-of-the-art

How NASP came about
Clearcutting Controversy

- 1960s – Bitterroot NF clearcutting and terracing
- Bolle report criticized the Forest Service
- “mining” timber

http://www.foresthistory.org

Effects of Controversy

- 1971 Team recommended
  - improving knowledge,
  - skills, and
  - abilities for silviculturists
- 1973 FS Chief directed Regional Foresters
  - silviculture certification programs
Continuing Education in Silviculture in 2002

NASP is born

- The review team recommended
  - national core curriculum
  - university-sponsored program
- Class 1 of NASP was conducted May 2007
- NASP 12 will start July 2018
Module 1 - Ecological Systems

- University of Minnesota
- Drs. Windmuller-Campione & Sagor
- Two weeks

<table>
<thead>
<tr>
<th>Topics</th>
<th>Contact Hours</th>
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<tbody>
<tr>
<td>Forest ecology</td>
<td>16</td>
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<tr>
<td>Geology, landforms, soils</td>
<td>16</td>
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<tr>
<td>Hydrology and watershed</td>
<td>8</td>
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<tr>
<td>Tree physiology</td>
<td>12</td>
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<td>Silvics of forest trees</td>
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<td>Genetics</td>
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<td>Fire ecology, fire behavior</td>
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<tr>
<td>Course evaluations, tests etc.</td>
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<td><strong>All topics</strong></td>
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Module 2 - Inventory and Decision Support

- University of Oregon
- Dr. Bailey
- Two weeks

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<thead>
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<th>Contact Hours</th>
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<tbody>
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<td>Growth and yield</td>
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<td>Site quality and productivity</td>
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<td>Statistics/Sampling/Inventory</td>
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<td>Economic principles</td>
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<td>Forest regulation</td>
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<td>Forest planning</td>
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<td>Legal requirements</td>
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<td>Monitoring</td>
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<td>Course evaluation, tests etc.</td>
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<td><strong>All topics</strong></td>
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# Module 3 - Landscape Ecology

- University of Mass & Northern Arizona Univ.
- Dr. McGarigal
- Two weeks

<table>
<thead>
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<tbody>
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<td>Introduction to Landscape Ecology</td>
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<td>Concepts of Scale</td>
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<td>Characterizing the landscape</td>
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<td>Processes that structure landscape</td>
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<td>Disturbance ecology</td>
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<td>Fire ecology</td>
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<td>Ecological implications</td>
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<td>Landscape dynamics</td>
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<td>Landscape modeling</td>
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<td>Management applications</td>
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<td>Course evaluation, tests, etc.</td>
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<td>All topics</td>
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# Module 4 - Advanced Silviculture Topics

- University of Tennessee
- Dr. Clatterbuck
- Three weeks

<table>
<thead>
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<th>Topics</th>
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<tbody>
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<td>Silvicultural systems</td>
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<td>Regeneration</td>
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<td>Stand and forest dynamics</td>
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<td>Integrated pest management</td>
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<td>Fish, wildlife, TES</td>
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<td>Rangeland management</td>
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<td>Scenery management</td>
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<td>Timber, markets, utilization</td>
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<td>Harvest systems</td>
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<td>Prescribed fire</td>
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<td>Diagnosis process</td>
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<td>Rx preparation practice</td>
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<td>Course evaluation, test, etc.</td>
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<tr>
<td>All topics</td>
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Eastern Region Local Modules

- Lake States
- Southern Region - Mountain
- Southern Region - Pine

Northeast Silviculture Institute for Foresters
Eastern Region Steps to Certification

Step One

- Get experience before applying
  - Stand examination and inventory,
  - Sale preparation and administration,
  - Reforestation and stand improvement,
  - Land Management/Timber Management Planning, and
  - Writing silvicultural prescriptions.
Step Two
- Respond to call for applications
  - Summary of work experience
  - Copy of Performance rating
  - Letter of recommendation from Forest Supervisor
  - Copy of College transcript(s)
  - Letter of personal commitment
  - Letter of reference from supervisor or Forest Silviculturist

Step Three
- Attend all 4 national modules and an appropriate local module, complete required assignments and receive a passing grade.
Step Four

- Write a project paper on a selected stand
  - Existing Condition
  - Objectives
  - Desired Future Condition
  - Alternatives
  - Prescription for preferred alternative

Step Five

- Certification Panel
  - Regional Forester
  - Representative University or Research Representative
  - Neighboring Forest Silviculturist
  - Forest Line Officer

- Presentation
- Field Visit
Step Six

- Receive Official Certification

![Official Certification Image]

Step Seven

- Maintain certification
  - Every Four years
  - Experience in the Practice of Silviculture
  - Continuing Education
  - Sample Prescriptions
Prescription Template

For More Information

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603.868.7705

Thank You for Your attention!