

NATIONAL ADVANCED SILVICULTURE PROGRAM (NASP)

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Outline

- What is NASP
- Why NASP is important
- How NASP came about



What is NASP?



NASP is.....

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



Indoor instruction + Outdoor field trips

Why NASP is important



NASP is a must for Certification

- All vegetation activities
- Prescription
- Certified silviculturist



NASP is key for...

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




Increases competence

How NASP came about





Clearcutting Controversy

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



<http://www.foresthistory.org>

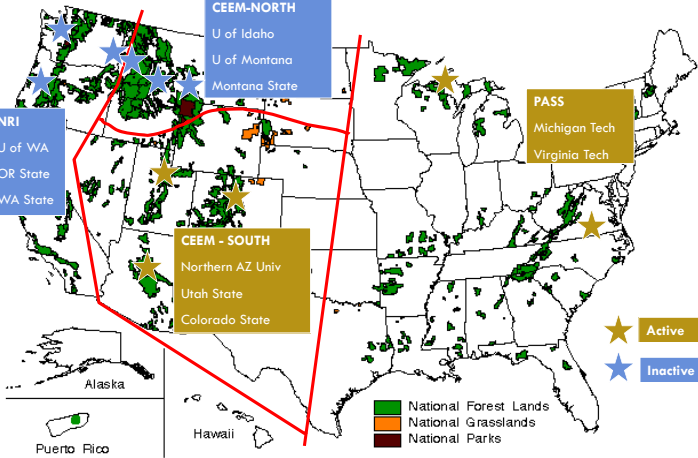





Effects of Controversy

- 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 at MTU May, 2007
- NASP 11 will start July 2017






Module 1 - Ecological Systems

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

Topics	Contact Hours
Forest ecology	16
Geology, landforms, soils	16
Hydrology and watershed	8
Tree physiology	12
Silvics of forest trees	4
Genetics	8
Fire ecology, fire behavior	8
Course evaluations, tests etc.	4
All topics	76

Fieldtrips integrate across topics

Module 2 - Inventory and Decision Support

- University of Oregon
- Dr. Bailey
- Two weeks

Topics	Contact Hours
Growth and yield	8
Site quality and productivity	4
Statistics/Sampling/Inventory	32
Economic principles	8
Forest regulation	4
Forest planning	4
Legal requirements	4
Monitoring	8
Course evaluation, tests, etc.	4
All topics	76

FVS training prior to taking this module is essential

Module 3 - Landscape Ecology

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

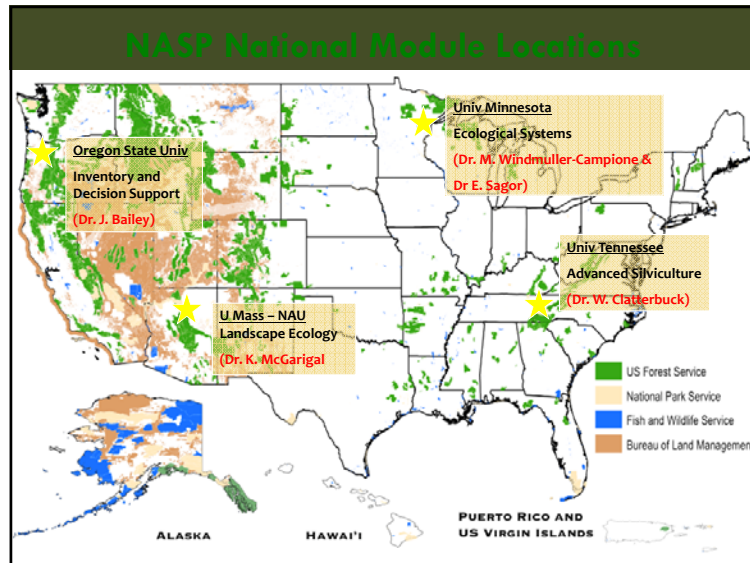
Topics	Contact Hours
Introduction to Landscape Ecology	2
Concepts of Scale	2
Characterizing the landscape	6
Processes that structure landscape	6
Disturbance ecology	10
Fire ecology	8
Ecological implications	10
Landscape dynamics	4
Landscape modeling	12
Management applications	12
Course evaluation, tests, etc.	4
All topics	76

Module 4 - Advanced Silviculture Topics

- University of Tennessee
- Dr. Clatterbuck
- Three weeks

Topics	Contact Hours
Silvicultural systems	14
Regeneration	20
Stand and forest dynamics	24
Integrated pest management	4
Fish, wildlife, TES	6
Rangeland management	2
Scenery management	2
Timber, markets, utilization	2
Harvest systems	4
Prescribed fire	4
Diagnosis process	4
Rx preparation practice	26
Course evaluation, test, etc.	4
All topics	116

2 weeks of instruction + 1 week of RX practicum



Eastern Region Local Modules

- Lake States
- Southern Region - Mountain
- Southern Region - Pine
- Northeast ?



usually 2 weeks long



Thank You for Your attention!