



# 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>

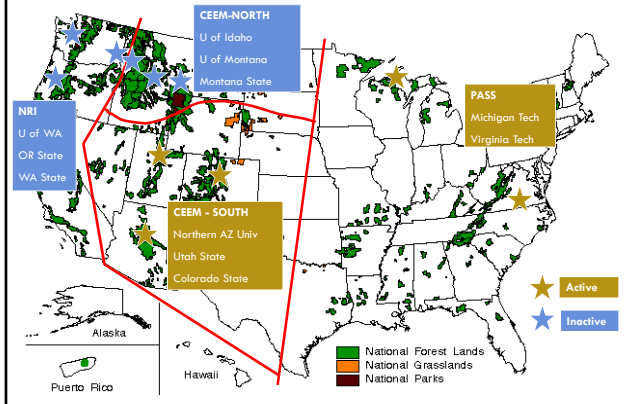


## Effects of Controversy

- 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
<b>All topics</b>	<b>76</b>



*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
<b>All topics</b>	<b>76</b>



*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
<b>All topics</b>	<b>76</b>



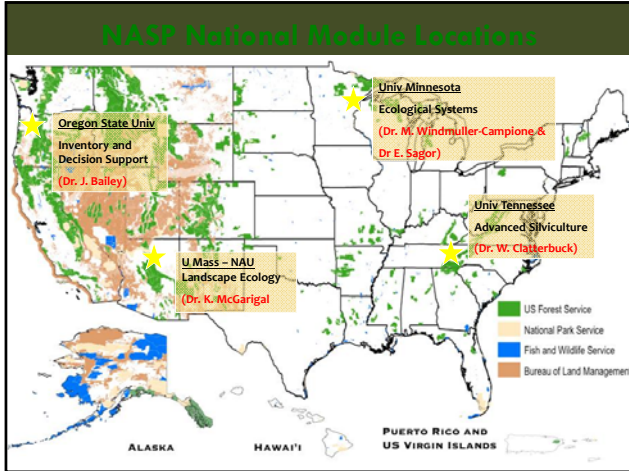
### Module 4 - Advanced Silviculture Topics

- 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
<b>All topics</b>	<b>116</b>



*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!