2016 Master Woodland Managers Program

Covers the Counties of Henry and All Surrounding Counties

[August 25, September 1, 8, 22, & 29]

Objectives:
- Develop a network of highly-motivated, well-trained volunteers to assist land management professionals in the improvement and expansion of tree resources.
- Participating woodland owners will learn how to improve management for wildlife and timber on their own lands by providing intensive forestry training.
- Encourage other landowners to improve management of their woodlands by the example, activities, and service projects of these trained Master Woodland Managers.

Location: Most of the classes will be held near Shimek State Forest, Lee County.

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COURSE OUTLINE

Block One (Thursday, Aug. 25th, 6-9 pm) at (Shimek State Forest Headquarters)

I. Program background, objectives, and plans
   A. Introducing teaching staff & program participants
   B. Responsibilities of teachers and of students
   C. Baseline Quiz

II. Tree/Shrub/Invasive Identification
   A. Indoors for approximately 1 hr
   B. Outdoors for approximately 1 hr

III. GIS/GPS basics for landowners
   A. Only if time allows

Block Two (Thursday, Sept 1st, 9 am-5 pm) (Farmington EMS Meeting Room @ 208 S 4th street, Farmington IA 52626)

IV. Succession (Indoors ~2 Hrs)
   A. Management Systems - Cutting/Harvesting to improve and increase desirable regeneration and various types of habitat
      - Even Aged
      - Un-Even Aged

   B. Timber Stand Improvement - Used to manipulate existing forests to manage tree species for lumber and wildlife.
      - Weed Tree Removal
      - Crop Tree Release (CTR marking exercise)
      - Early Successional
      - Pruning

   C. Tree Planting (visit a tree planting site - discuss planting techniques, species selection for diversity, wildlife, and pollinators, as well as look at weed control practices, etc) (Shimek hand planting, Geode Forestry site, private landowner that has a young 1-5 year old planting)

V. Programs (during site visits)
   A. Cost Share
   B. Plans
   C. Assistance Available
VI. Afternoon spent in the field
   A. View examples of morning discussion (even vs.even, bottomland management, old pasture
       management etc)
   B. Tree ID

**Block Three** (Thursday, Sept. 8th, 9-5 pm) at (Farmington EMS Meeting Room @ 208 S 4th
   street, Farmington IA 52626)-/ Sawmill)

VII. Timber Marketing (outdoors ~1 Hr) (State Forest sale location)

VIII. Woods Timber Cruising (Shimek state forest ~4 Hr W/ bring a sack lunch, eat in the woods)
   A. Biltmore Stick Demo
   B. Merchantable Height
   C. Grading
   D. Scaling for volume

IX. Tree ID

X. Mill Tour (Mill tour Afternoon)
   A. Grading/Scaling of logs
   B. Mill Tour

**Block Four** (Thursday, Sept. 22nd, 6 - 9pm) at (Farmington EMS Meeting Room @ 208 S 4th
   street, Farmington IA 52626)-

Forest Insects (1hr) - Laura Jesse - ISU

Forest Diseases (1hr) - Jesse Randall & Laura Jesse - ISU

Forest Erosion Control (1hr) - Greg Brenneman -ISU

**Block Five** (Thursday, Sept. 29th, 9 am - 5 pm) at (Farmington EMS Meeting Room@ 208 S
   4th street, Farmington IA 52626)-

Prescribed Fire (AM)

Managing woodlands for wildlife

Field Quiz
   A. Tree and shrub identification
   B. Measurement and evaluation of standing trees

Written exam & review

**SPEAKERS:**
   Lisa Louck, District Forester, Iowa DNR
   Ray Lehn, District Forester, Iowa DNR
   Aaron Lumley, Forestry Supervisor, Iowa DNR,
   Bob Petrzela and Gretchen Cline, Geode Forestry
   Laura Jesse, Plant Pathology, Iowa State University, Ames
   Kevin Anderson, Private Lands Biologist, Iowa DNR
   Ryan Harr, Private Lands Biologist, Iowa DNR
   Greg Brenneman, ISU AG Engineer Specialist, Iowa City, Ia
   Adam Janke, Extension Wildlife, Iowa State University, Ames
   Jesse Randall, Extension Forester, Iowa State University, Ames

**SPONSORS:**
   Bureau of Forestry, Iowa Dept. of Natural Resources
   Forestry Extension, Iowa State University
   Iowa Tree Farm Committee
   Iowa Woodland Owners Association