

FOR 350 - Silviculture

Lecture, Lab, and Readings Schedule

| Week | Lecture | | | Readings | Lab |
|------|--|--|---|-----------------------------|---|
| | 1 | 2 | 3 | | |
| 1 | No Class | What is Silviculture? | The Silvicultural System | Ch.1, 2, 3 | No Class |
| 2 | MLK Day | Stand Dynamics | Stand Growth and Yield | Ch. 9 (209-212), Ch. 15, 17 | MLK Day |
| 3 | Effects of Thinning | Effects of Thinning | Methods of Thinning | Ch. 17, 19; Ch. 18 | Density - Growth Relationships |
| 4 | Thinning Regimes | Relative Density/Stocking | Exam 1 | Ch. 19 | Thinning and Production |
| 5 | Release Treatments | Crop Tree Release | Other Intermediate Operations | Ch.16; Ch. 20, 22 | Thinning: Inventory and Marking |
| 6 | Pruning/Fertilization | Ecology of Natural Regeneration | Natural Regeneration Systems | Ch. 20, 4, 9 | Mechanical and Chemical Plant Control Techniques |
| 7 | Clearcut Method | Seed Tree Method | Shelterwood Methods | Ch. 13, 24; Ch. 14 | Visualization and Simulation of Even-aged Methods (FVS) |
| 8 | Shelterwood Methods | Exam 2 | Uneven-aged | Ch. 10, 11, 12 | No Lab |
| 9 | Single-Tree Selection | Group Selection | Two-Aged Systems | Ch. 23 | Evaluating Advance Reproductio |
| 10 | Spring Break | | | | |
| 11 | Artificial Regeneration: Planning | Artificial Regeneration: Tree Planting | Artificial Regen: Seed/Direct Seeding | Ch. 6; Ch. 5; Ch. 3 | Regulating Selection Methods |
| 12 | Site Preparation: Herbicides | Site Preparation: Mechanical | Site Preparation: Fire | Ch. 7; Ch. 8 | Seedling quality, care, and planting techniques |
| 13 | Exam 3 | Silviculture of the Central Hardwood Region | Silviculture of the Central Hardwood Region | | No Lab |
| 14 | Silviculture of the Central Hardwood | Pine Plantation Silviculture | Pine Plantation Silviculture | | Silvicultural Prescriptions: Oak-Dominated Stands |
| 15 | Managing structure for multiple-use objectives | Managing structure for multiple-use objectives | Forest Health | | Plantation Management Simulation |
| 16 | Forest Health | Forest Health | Forest Health | Ch. 21 | Forest Health |
| 17 | Final Exam | | | | |

Last Revised: 01/08/2009