

Schedule of Master Gardener Classes 2024 20222020\

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| **Week** | **Subject** | **Instructor/activity** |
| 1 3/13 | **Intro and Botany**- Taxonomy, growth habits, Anatomy and morphology, structures and functions, physiology, plant hormones, environmental factors | Dr. Wayne Powell: Hands on activity with plant parts. |
| 2 3/20 | **Pruning/Planting:** Site selection, proper planting techniques, techniques for specific situations, Mistakes to correct at planting. Selecting plants, pruning times and techniques, pruning for structure, common mistakes, mulching | Paige Patterson: outside pruning demonstration and hands on practice w/ help from Cert. MG |
| 3 3/27 | **Propagation**: Sexual propagation: germination, dormancy, growing from seed, transplanting, Asesxual propagation: cuttings, layering, separation, division, budding, grafting, tissue culture. Hands on practice. 3/28 a more detailed class available to public over growing seeds indoors with artificial light | Paige Patterson  See MG indoor Led Grow room. Short field trip to Springhouse farm to see seed starting and alternative greenhouse heating |
| 44 4/3 | **Fruits, Small Fruit, Nuts**:Selecting fruit for our climate, training and pruning, factors affecting fruiting, nutritional needs, crop specific issues. | Paige Patterson  Apple tree training demo, blackberry pruning demo |
| 5 4/10 | **Soils, Composting, Fertilizer:** Soil profiles, physical properties of soils, soil improvement, composting, soil testing, nutrients, fertilizers, soil biology. | Paige Patterson  Tour ASU composting facility |
| 6 4/17 | **Lawns/Landscape design** Basic lawn selection and establishment, maintenance, choosing suitable fertilizers, principals of landscape design, managing water within the landscape | Paige Patterson |
| 7 4/24 | **Native Plants/Land Management/water in landscapes:** Why use native plants, showcase of native plants with their ecosystem/ornamental roles. Overview of land management, , vegetation management, effect of succession, streambank management, raingardens | Paige Patterson/Katherine Shoffner  Visit a demo raingarden  Daniel Boone Native Gardens |
| 5/1 | **Spring Break** |  |
| 8 5/8 | **Woody Plants:** Tree/Plant ID  Selection and uses in the landscape, General planting and design rules for perennials, consideratins for growing various plants in containers | Paige Patterson  Master Gardener Robin Winn |
| 9 5/15 | **Pests and Integrated Pest Management: I**nsect classification, symptoms of insect damage, signs of insect damage, Integrated pest management including cultural, mechanical, biological, and chemical controls | Craig Atkins-Retired Area Horticulture Specailist NC Cooperative Extension Service  Activity with plant samples |
| 10 5/22 | **Diseases**: Disease organisms, development, signs and symptoms, spread, environment effects on, integrated managemnt of diseases | Blake Williams Horticulture Agent Ashe County Extension Service  Hands on activity with plant samples |
| 11 5/29 | **Vegetables/Wildlife :** Site selection, vegtables suited to the region, raised planters vs. traditional planting , propagating plants using direct and indirect sowing, different methoods of production, timing of planting, diseae insect and weed management issues. Wildlife damage prevention. | Mathew Clay: Extension Agent, Wilkes County  Outside planting activity |
| 12 6/5 | **Soil Reports practice/ Insect Lab/Organic Insect Management:**  Master Gardeners will have submitted a soil sample we will interpret soil reports. Hands on practice diagnosing insect and disease problems, management of disease and insects both organic and conventional. | Paige Patterson  Richard Boylan, Area Speicalized Agent, Small Farm Management |
| 13 6/12 | **Class wrap up/ Plant Selection Field Experience:** Turn in final exams, Garden tour of Arborcrest Gardens, lunch with Certified Master Gardenersat Dr. Stanley’s Garden | Paige Patterson, Certified Master Gardeners |