

KEY TO SELECTED WOODY SPECIES ON THE UCA CAMPUS

1. Plant a vine.....2
 2. Leaves simple.....3
 3. Leaves opposite.....**Honeysuckle** (*Lonicera japonica*)
 3. Leaves alternate.....**Greenbrier** (*Smilax* sp.)
 2. Leaves compound.....4
 4. Leaflets palmately arranged.....**Virginia Creeper** (*Parthenocissus quinquefolia*)
 4. Leaflets pinnately arranged.....5
 5. Leaves once compound.....6
 6. Three leaflets only, terminal leaflet on petiolule longer than the other two.....**Poison Ivy** (*Toxicodendron radicans*)
 6. Leaflets 10-16; petiolules nearly equal.....**Trumpet Creeper** (*Campsis radicans*)
 5. Leaves twice compound.....**Pepper Vine** (*Ampelopsis arborea*)
1. Plant a tree or shrub.....7
 7. Plant a shrub8
 8. Shrub armed with many, large thorns**Trifoliate Orange** (*Poncirus trifoliata*)
 8. Shrub without thorns9
 9. Leaves simple10
 10. Leaves 4-8 cm. wide, margin irregularly wavy**Witch Hazel** (*Hamamelis* sp.)
 10. Leaves 1-3 cm. wide, margin regularly serrate (toothed) or entire (smooth)....11
 11. Leaves opposite, margin entire.....**Privet** (*Ligustrum sinense*)
 11. Leaves alternate, margin serrate12
 12. Leaf base rounded**Yaupon** (*Ilex vomitoria*)
 12. Leaf base narrow-elongated**Deciduous Holly** (*Ilex decidua*)
 9. Leaves compound13
 13. Leaf palmately compound**Red Buckeye** (*Aesculus pavia*)
 13. Leaf pinnately compound14
 14. Leaves alternate15
 15. Wings of leaf tissue along midvein of leaf between leaflets**Winged Sumac** (*Rhus copallina*)
 15. Midvein lacking wings of tissue between leaflets**Smooth Sumac** (*Rhus glabra*)
 14. Leaves opposite**Elderberry** (*Sambucus canadensis*)
 7. Plant a tree16
 16. Tree evergreen17
 17. Leaves broad and flat18
 18. Leaves 2-4 cm. wide, margin spiny**American Holly** (*Ilex opaca*)
 18. Leaves 4-8 cm. wide, margin entire (no teeth).....**Southern magnolia** (*Magnolia grandiflora*)
 17. Leaves long and needlelike in bundles OR leaves that are tiny scales.....19
 19. Leaves are tiny scales overlapping close to the stem.....**Eastern Red Cedar** (*Juniperus virginiana*)
 19. Leaves are long needles.....20



20. Needles 13-23 cm. long	Loblolly Pine (<i>Pinus taeda</i>)	
20. Needles 8-13 cm. long	Shortleaf Pine (<i>Pinus echinata</i>)	
16. Tree deciduous		21
21. Tree a gymnosperm producing cones that contain seeds; leaf blades narrow and about 1 cm. long.....	Bald Cypress (<i>Taxodium distichum</i>)	
21. Tree an angiosperm producing seeds in a fruit; leaf blades broad and greater than 1 cm. long		22
22. Leaves opposite or whorled		23
23. Leaves whorled.....	Catalpa (<i>Catalpa</i> sp.)	
23. Leaves opposite.....		24
24. Leaves compound.....		25
25. 2 year old twigs with bark bright green		
.....	Box Elder (<i>Acer negundo</i>)	
25. 2 year old twigs with bark gray		
.....	Green Ash (<i>Fraxinus pennsylvanicum</i>)	
24. Leaves simple		26
26. Leaf margin entire (no teeth)		
.....	Flowering Dogwood (<i>Cornus florida</i>)	
26. Leaf margin serrate (having teeth) and lobed		27
27. Back of leaf green, teeth very large and few in number		
.....	Sugar Maple (<i>Acer saccharum</i>)	
27. Back of leaf whitish, teeth small and many in number		28
28. Teeth very jagged and irregular		
.....	Silver Maple (<i>Acer saccharinum</i>)	
28. Teeth more uniform	Red Maple (<i>Acer rubrum</i>)	
22. Leaves alternate.....		29
29. Stem often armed with small thorns.....	Osage Orange (<i>Maclura pomifera</i>)	
29. Stem without thorns.....		30
30. Leaves broad and fan shaped, some with a notch at the tip....	Ginkgo (<i>Ginkgo biloba</i>)	
30. Leaves shaped otherwise.....		31
31. Leaves simple.....		32
32. Leaves long and thin		33
33. Leaves gradually tapering to a long, thin tip		
.....	Black Willow (<i>Salix nigra</i>)	
33. Leaves abruptly ending in a bristle tip.....	Willow Oak (<i>Quercus phellos</i>)	
32. Leaves broader.....		34
34. Leaf margin doubly serrate, vein ends in each main tooth.....		35
35. Bark curls back into, ragged, paperlike pieces		
.....	River Birch (<i>Betula nigra</i>)	
35. Bark often with ridgelike wings Or bark smooth		36
36. Leaves mostly 7-14 cm. long; bark longitudinally grooved and without wings	American Elm (<i>Ulmus americana</i>)	
36. Leaves less than 7 cm. long, ridgelike wings of bark often present on twigs.....		37
37. Leaf width often 3-4 cm.....	September Elm (<i>Ulmus serotina</i>)	
37. Leaf width usually 2.5 cm. or less	Winged Elm (<i>Ulmus alata</i>)	

34. Leaf margin not doubly serrate.....	38
38. Leaf heartshaped.....	Redbud (<i>Cercis canadensis</i>)
38. Leaf not heartshaped.....	39
39. Leaves on one tree may be in several shapes (oval, mitten, and lobed).....	40
40. Leaf margin serrate (toothed).....	Mulberry (<i>Morus</i> sp.)
40. Leaf margin entire (smooth)	Sassafras (<i>Sassafras albidum</i>)
39. Leaf shapes uniform.....	41
41. Leaf with large notch at the end.....	Tulip Tree (<i>Liriodendron tulipifera</i>)
41. Leaf apex unnotched.....	42
42. Leaf with 3 large main veins, teeth on margin very large... ..	Sycamore (<i>Platanus occidentalis</i>)
42. Leaf with 1 or 5 midveins (palmately veined), teeth small or absent.....	43
43. Leaf blade about 44-55 cm. long.....	Bigleaf Magnolia (<i>Magnolia macrophylla</i>)
43. Leaf blade much smaller.....	44
44. Blade palmately netted	Sweetgum (<i>Liquidambar styraciflua</i>)
44. Blade pinnately netted.....	45
45. Leaf shape deltoid (triangular).....	Cottonwood (<i>Populus deltoides</i>)
45. Leaf shape elliptical or nearly so.....	46
46. Leaves unlobed.....	47
47. Leaf blade regularly serrate	48
48. Each tooth on the leaf margin ending in a distinct bristle	Japanese Sawtooth Oak (<i>Quercus acutissima</i>)
48. Teeth on leaf margin simply pointed, not bristle-tipped.....	49
49. Blade surface slick, waxy, and smooth	Black Cherry (<i>Prunus serotina</i>)
49. Blade surface dull and textured.....	Crabapple (<i>Malus</i> sp.)
47. Leaf blade entire OR with few, irregular teeth.....	50
50. Leaf base asymmetrical (one half larger than the other).....	Sugarberry (<i>Celtis laevigata</i>)
50. Leaf base symmetrical.....	Black Gum (<i>Nyssa sylvatica</i>)
46. Leaves usually lobed.....	51
51. Leaf lobes bristle tipped.....	52
52. Leaves 3-5 cm. long, usually appearing lobed at the tip, highly variable in shape	Water Oak (<i>Quercus nigra</i>)
52. Leaves usually longer than 5 cm., always lobed, more uniform at the tip	53
53. Leaf base rounded (bell shaped) with a tendency for 3 lobes at the leaf tip.....	Southern Red Oak (<i>Quercus falcata</i>)
53. Leaf base tapered, lobes 6 or more.....	54

54. Notch between lobes extends at least halfway from leaf margin to the midvein	Pin Oak (<i>Quercus palustris</i>)
54. Notch between lobes extends less than halfway from the margin to the midvein.....	Northern Red Oak (<i>Quercus rubra</i>)
51. Leaf lobes all rounded without bristle tips.....	55
55. Leaf blade broadest at apex (leaf may be seen as cross shaped).....	Post Oak (<i>Quercus stellata</i>)
55. Leaf blade broadest near the middle (lobes more uniform).....	White Oak (<i>Quercus alba</i>)
31. Leaves compound.....	56
56. Leaves often 1 m. or more long.....	Devil's Walking Stick (<i>Aralia spinosa</i>)
56. Leaves less than 1 m. long.....	57
57. Leaflets up to 2 cm. wide	58
58. Leaves once compound.....	59
59. Stout, paired spines often present at leaf base.....	Black Locust (<i>Robinia pseudo-acacia</i>)
59. Limbs and trunk often bearing large, branched thorns.....	Honey Locust (<i>Gleditsia triacanthos</i>)
58. Leaves twice compound.....	60
60. Leaflet tip long-pointed.....	Kentucky Coffee Tree (<i>Gymnocladus dioica</i>)
60. Leaflet tip rounded.....	Mimosa (<i>Albizia julibrissin</i>)
57. Leaves usually larger than 2 cm. wide	61
61. Leaflets per leaf usually 15 or more , all leaflets fairly uniform	62
62. One side of the leaflet base larger and longer than the other	Pecan (<i>Carya illinoensis</i>)
62. Leaflet base symmetrical	Black Walnut (<i>Juglans nigra</i>)
61. Leaflets per leaf 5-9 , terminal leaflet often broader	63
63. Leaf blade undersurface and rachis without dense hairs, terminal buds 6-9 mm. wide	Black Hickory (<i>Carya texana</i>)
63. Leaf blade undersurface and rachis densely hairy (tomentose), terminal buds 2-4 mm. wide	Mockernut Hickory (<i>Carya tomentosa</i>)