**FINAL SYLLABUS FOR “Mushrooms of The Carolinas & the Southern Appalachians”**

**August 14-20, 2022**

**SUNDAY, August 14**

**12:00 noon onward**: Arrival.

**8:00 pm:** **Wine Social** (wine provided; bring additional beverages/snacks of your choice) in the kitchen/patio area of the Howell and Wright & Deacon Cottages. Introductions, review of schedule and syllabus, questions, and discussion.

**\*All presentations & classroom/lab meetings are in the Coker Laboratory Building\***

**MONDAY, August 15**

**8:30-9:00 AM:** Participants meet with Katie Cooke.

**9:00-12:00 noon: (**Arleen) **Introduction to General Mycology:** fungal anatomy and mycorrhizal relationships; macro-characteristics used in mushroom identification; the major groups of fungi; collecting techniques & tips.

**12:00 noon: LUNCH**

**1:00-2:15:** On-site foray.

**2:30-3:00:** (Alan) **Introduction to the Use of Field Keys to the Major Groups of Fungi**

**3:00-4:00:** Class exercise sorting specimens into Major Groups; making

 spore prints; macro-chemical testing.

**4:00-4:30:** Review of the day’s collections; questions & discussion.

**Evening Program** (optional)

**7:30-8:30 PM:** (Alan) “**Carolina Fungi: A Photographic Foray”**

**TUESDAY, August 16**

**8:30-11:30 AM:** Foray.

**11:30-12:00 noon:** Sorting specimens into Major Groups.

**12:00 noon: LUNCH**

**1:00-2:30:** (Alan) **Introduction to Microscopy:** how to use a hand lens,calibrating your microscope, sectioning techniques, using reagents, dissecting and compound microscopes, recognizing microscopic features of fungi

**2:30-4:00:** Examining the spore prints; using field guides for mushroom identification.

**4:00-4:30:** Review the day’s collections; questions & discussion.

**Evening Program** (optional)

7:30-8:30: **A Little Night Light**: Exploring Fungal UV Reactions

**WEDNESDAY, August 17**

**8:30-11:30 AM:** Foray.

**11:30-12:00 noon:** Sorting specimens into Major Groups.

**12:00 noon: LUNCH**

**1:00-2:00**: (Arleen) **“Polypore Identification Techniques”**

**2:00-4:00:** Classroom/lab work

**4:00-4:30:** Review of the day’s collections; questions & discussion.

**Evening Program** (optional)

**7:30-8:30 PM:** (Arleen) **“MYCOPHAGY 101: Edibility Myths, Poisons, Edible Mushroom Preparation & Preservation”**

**THURSDAY, August 18**

**8:30AM-2:00 PM:** Foray (**bring a bag lunch!**).

**2:00-2:30**: Mushroom sorting to major groups.

**2:30-4:00:** Classroom/lab work

**4:00-4:30:** Review of the day’s collections; questions & discussion.

**Evening Program** (optional)

**7:30-8:30 PM:** (Alan) **“Milk Mushrooms and Brittlegills”**

**FRIDAY, August 19**

**8:30-11:30 AM:** Foray.

**11:30-12:00:** Mushroom sorting into Major Groups.

**12:00 noon: LUNCH**

**1:00-2:00:** (Alan) **“An Introduction to Boletes”**

**2:00-4:00:** Classroom/lab work

**4:00-4:30:** Review of the day’s collections; discussion.

**Evening Social** (optional):

**7:30-9:00 pm**

Location TBA; Bring your own beverages/snacks

**SATURDAY, August 20**

**8:30-9:30 AM:** (Alan) **“Surviving into the Future”**

**9:30-10:00:** Class Evaluations

**10:00-11:00:** Clean-up