

FLESHY FUNGI OF THE HIGHLANDS PLATEAU

LOCATION: The Highlands Biological Station, Highlands, North Carolina

INSTRUCTOR: Dr. Andrew S. Methven, Chair
Biology Department, Savannah State University
Phone: (217) 549-7256 e-mail: asmethven@eiu.edu or methvena@savannahstate.edu

DATES OF CLASS: July 13-25, 2020

GENERAL DESCRIPTION:

Students will be introduced to the fleshy fungi (Ascomycetes and Basidiomycetes) that occur on the Highlands Plateau during peak mushroom season. Emphasis will be placed on the analysis of macro- and micro-morphological features in the identification of genera and species as well as the ecological role of fungi in the ecosystem.

Additional topics may be added depending on student interest. The daily routine will consist of a morning lecture followed by

a field trip until early afternoon. Transportation on field trips will be in a biological station van. Collections will be examined and identified after returning from the field and an opportunity provided to assemble a collection of dried fleshy fungi. Microscopes and chemical reagents necessary for accurate species determinations will be available for use. The laboratory will be open in the evenings for additional study of collections.

TEXTBOOKS:

Mushrooms Demystified. David Aurora. 1986. Ten Speed Press. (@ \$30.00 through Amazon)

Fleshy Fungi of the Highlands Plateau. 11th ed. Andrew Methven. 2020. Laboratory manual prepared by the instructor for students at no cost.

KEYS: Keys to families and genera of fungi will be available in the laboratory along with monographic treatments of selected genera, common field guides, picture books, etc.

REQUIRED EQUIPMENT:

Collecting basket or sturdy back pack; wax paper (rolls or bags) and/or plastic tackle box (for smaller specimens); a sturdy knife; a 10X hand lens; camera (optional).

CREDIT:

Four semester hours of credit is available from universities and colleges that are members of the Highlands Biological Foundation

REGISTRATION:

All registration should be completed before April 15, 2020. **Courses fill up fast so register early.** Be sure to consult the Highlands Biological Station website (highlands.biological.org) for additional information and application forms.

SCHOLARSHIPS:

Scholarships are available to qualified students. Be sure to consult the Highlands Biological Station website (highlands.biological.org) for additional information and application forms.

For further information on course content contact Dr. Andrew Methven

For further information on registration procedures, housing, fees, and course credit be sure to consult the Highlands Biological Station website (highlandsbiological.org).

FLESHY FUNGI OF THE HIGHLANDS PLATEAU
July 13-25, 2020
TENTATIVE CLASS SCHEDULE

Monday, July 13

8:00-10:00 am - Introduction;
Macroscopic
features
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Field notes;
work on collections

Tuesday, July 14

8:00-10:00 am - Microscopic
features
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Microscopes; work
on collections

Wednesday, July 15

8:00-10:00 am - Ecology
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Keys; work on
collections

Thursday, July 16

8:00-10:00 am - Pale-spored Agarics
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Friday, July 17

8:00-10:00 am - Pale-spored Agarics
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Saturday, July 18

8:00-10:00 am - Dark-spored Agarics
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Sunday, July 19

Open day - Plan your own
adventure

Monday, July 20

8:00-10:00 am - Dark-spored
Agarics
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - **Exam I (for credit-
seeking students)**

Tuesday, July 21

8:00-10:00 am - Boletes, coral fungi,
spine fungi,
chanterelles
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Wednesday, July 22

8:00-10:00 am - Puffballs; jelly
fungi
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Thursday, July 23

8:00-10:00 am - Cup fungi
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Friday, July 24

8:00-10:00 am - Cup fungi
10:30-2:00 pm - Field trip/Lunch
2:00-5:00 pm - Work on collections

Saturday, July 25

9:00-11:30 am - **Exam II ((for credit-
seeking students)**
9:00-11:30 am - Clean-up