

*Fourth Annual
Undergraduate Teaching Symposium*

College of Agriculture and Life Sciences
North Carolina State University

April 23, 2002

This symposium is sponsored by the College of Agriculture and Life Sciences and is devoted to those students who chose to complete ALS 498H and ALS 499H through a teaching experience. The Honors Program Committee, a group of dedicated faculty mentors in the College of Agriculture and Life Sciences, provides oversight and guidance to the Honors Program in the College.

CALS Honors Program Committee Members

Dr. Robert M. Grossfeld (Chair), *Zoology*

Ms. Tricia M. Buddin, *CALS Career Services*

Dr. Eric Davies, *Botany*

Dr. Kenneth L. Esbenshade, *CALS Academic Programs*

Dr. William L. Flowers, *Animal Science*

Dr. Gregory C. Gibson, *Genetics*

Dr. Cynthia L. Hemenway, *Biochemistry*

Dr. James A. Knopp, *Biochemistry*

Dr. Ross M. Leidy, *Toxicology*

Dr. Stephen J. Libby, *Microbiology*

Dr. Gerald C. Van Dyke, *Botany*

Dr. Barbara M. Kirby, *Director of CALS Honors Program and Assistant Director of Academic Programs in CALS*

While this event is to honor undergraduate students who participated in a teaching experience while enrolled in ALS 498H and ALS 499H, at this time, it is appropriate to acknowledge the following faculty within CALS who were nominated by the College as the Outstanding Teachers of the Year and have been elected members of the Academy of Outstanding Teachers:

John R. Meyer

H. David Shew

Jon M. Stucky

CALS faculty selected to receive the Alumni Distinguished Undergraduate Professors award are:

Sarah L. Ash

Crowell G. Bowers

April 16, 2002

Dear Teaching Symposium Participants and Faculty Mentors:

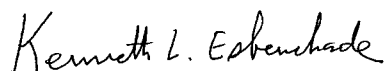
Welcome to the **4th Annual Undergraduate Teaching Symposium** sponsored by the College of Agriculture and Life Sciences. Several years ago, it was recognized that students participating in ALS 498H, ALS 499H, and/or Departmental 492 courses who undertook a scholarly teaching project needed a format for communicating their endeavors and experiences to others. The NC State Undergraduate Research Symposium did not seem to provide the appropriate forum for presenting information related to the teaching mission of the College. Therefore, the CALS Undergraduate Teaching Symposium was initiated and continues to provide evidence of the success of this activity.

The Symposium is a tribute to both the participating students and their faculty mentors. I am commonly asked why we offer teaching opportunities for undergraduates in our College. The answer is simple. What better way exists for students to consolidate and organize their knowledge of a subject than to have to frame it into a lesson for someone else to learn? It is hands-on academics with peers. Teaching allows students to discover how best to learn subject matter themselves. Teaching involves communication skills and requires that one learn how to assess both the student's and one's own performance. The rewards are great. Further, as a Research I institution, we are committed to provide inspiration and knowledge to the next generation of researchers, many of whom will work in academe as professors. Your experiences and hard work this year will position you, I am certain, for a brighter, more productive future.

The faculty of the College of Agriculture and Life Sciences are dedicated academicians. I want to especially thank those who participated in this process and who provided guidance to the students in this endeavor. A special thanks is extended to the CALS Honors Program Committee for their extra effort in making this program successful and in arranging this fourth annual CALS Undergraduate Teaching Symposium.

I trust the experience of participating in a scholarly teaching experience and this symposium has enriched your academic career here at NC State University. Best wishes to each of you.

Sincerely,



Kenneth L. Esbenshade

Associate Dean and Director of Academic Programs

KLE/fbk

The Fourth Annual CALS Undergraduate Honors Teaching Symposium

**The Jane S. McKimmon Center
April 23, 2002**

Program

4:00-5:30 p.m. Poster Setup

5:30-6:30 Poster Session

6:30-7:15 Program

Welcome from CALS Administration

Dr. Barbara Kirby, Assistant Director of Academic
Programs and Director of the CALS Honors Program

Dr. Kenneth Esbenshade, Associate Dean and Director
of CALS Academic Programs

Student Presentations:

*Human Genetics Education for Gifted Students:
Explore, Expand, Excite*

Jessica P. Hooks, Biological Sciences

*Population Growth in the Evolution, Ecology and
Behavior Laboratory*

Lily K. Pemberton, Zoology

Invited Speaker:

Reflections on Good Teaching

Dr. Sarah L. Ash, Animal Science

Presentation of the monetary awards for the most outstanding
student projects immediately following Dr. Ash's talk.

Refreshments will be available during the program.