

## WINNATASKA CONSORTIUM FOR TEACHER EDUCATION IN ENVIRONMENTAL SCIENCE—GRADUATE COURSE CREDIT

The Winnataska Consortium for Teacher Education in Environmental Science consists of a series of workshops designed to support the Alabama “Highly Qualified Teacher” certification. The workshops offer professional development related to content areas and provide the opportunity to obtain 1, 2, or 3 semester hours of graduate credit in the content area through the University of Alabama at Birmingham. Students must take two workshops (total 12 contact hours) in order to be eligible for graduate credit. Follow-up activities include written work, implementation of teaching plans in the classroom and evaluation by faculty.

Students may receive graduate credit in Biology from UAB for courses BY 695 and/or BY 696. If students desire this credit to transfer to another college or university program, it is recommended that they verify acceptance of the credit prior to enrollment. Course objectives and requirements for 1, 2, or 3-semester hours credit are listed below. All coursework will be done in conjunction with UAB faculty who are responsible for all aspects of course management. UAB policies are in effect for all course related activities. Course enrollment and completion should occur in the academic year during which the workshop is held. For questions regarding graduate course requirements or activities, contact Dr. Ken Marion, Biology Department, UAB, 205-934-4290, kmarion@uab.edu.

### **COURSE OBJECTIVES:**

1. Identify environmental and ecological principles.
2. Apply environmental and ecological principles in a natural setting.
3. Translate principles and experiences in constructing an environmental lesson plan that is feasible and appropriate for classroom instruction.
4. Evaluate the effectiveness of the implementation of the lesson plans.

### **COURSE REQUIREMENTS FOR GRADUATE CREDIT:**

Participants may earn no more than 3 hrs credit.

#### **a. 1 hr Credit:**

- 1) Attend the workshops (12 contact hours).
- 2) Write an annotated bibliography relevant to one or both of the workshops. The bibliography should be at least five (5) pages long and utilize at least ten (10) articles **OR**
- 3) Develop a lesson plan relevant to one of the workshops.
  - a) Implement the lesson plan in one (1) class.
  - b) Write a summary report on implementation of the lesson plan.

#### **b. 2 hr Credit:** Requirements for the 2 semester hours credit are the same as for 1 hr with the following additional requirements:

- 1) The annotated bibliography is now a 10 page, 10 article, classroom oriented research paper **OR**
- 2) The lesson plan now includes implementation in two (2) classes for at least three (3) class sessions each.

#### **c. 3 hr Credit:** Requirements are the same as for 1 and 2 hr credit with the following additional requirements.

- 1) The paper is now 10 pages long with 15 articles and includes pedagogical content. At least five (5) articles should be pedagogical **OR**
- 2) The lesson plan should be implemented for three (3) classes for at least three (3) class sessions each.
- 3) The report should now include how the lesson plan should be integrated into class curricula.

**REGISTRATION** for graduate course credit required enrollment as a graduate student at UAB. There are 2 ways to do this (current or non-degree) as follows:

1. **Current** graduate students are those accepted for graduate school at UAB. Application may be made through the UAB graduate admissions office.
2. **Non-degree** seeking students are those who have not enrolled in a graduate but desire to take courses that may be used in programs in the future. Non-degree seeking students pay a fee. Transcripts are not required and registration may be done online at [www.uab.edu/graduate](http://www.uab.edu/graduate) in section entitled "Online Forms". **Deadlines for application as a non-degree seeking students are due by 3:00 pm January 4 (Spring 2008)**

If further information is needed regarding registration for the coursework, contact the UAB Office of Graduate Admissions at 205-934-8234. Once enrolled (current or non-degree) students may register for the graduate credit by registering for any combination of the following courses, not to exceed 3 semester hours.

**COURSES** are listed by course reference number and name for Spring Semester 2008 :

BY 695 Special Topics in Biology I  
CRN 33362 = 1 – 3 semester hours

BY 696 Special Topics in Biology II  
CRN 33363 = 1 – 3 semester hours

Fees for graduate courses, including tuition and student fees, are applied at the time of registration and are payable directly to UAB. Alabama resident tuition is \$182 per semester hour.

For any additional questions regarding the Winnataska Consortium for Teacher Education in Environmental Studies, the workshop activities or other questions, contact Heather Montgomery, (256) 426-5871 or [winnteacher@yahoo.com](mailto:winnteacher@yahoo.com) or Dr. Ellen Buckner 205-934-6799, 205-823-4201 or [bucknerr@mindspring.com](mailto:bucknerr@mindspring.com).