

Description and Forms for ANFS 468 - Research
Department of Animal and Food Science
Version: June 1, 2009

ANFS 468 is a course for students who want to receive credit for a supervised, faculty-monitored experience in research in the fields of animal science or food science. Students may obtain a maximum of 3 credits per semester (1 credit will require a minimum of 40 h of research). A student may register for research during any semester (Fall, Winter, Spring or Summer). A contract form (see attached) must be completed prior to registering. Students are responsible for securing the research position with a faculty member. Research experiences vary among labs and semesters. Beginning students usually will assist in on going research projects while learning techniques. Advanced students may be assigned to specific research projects of their own.

Students that receive a grade of C- or higher in ANFS 468 for 3 credits, will satisfy the University Discovery Learning Experience (DLE) requirement.

Responsibilities/Requirements:

1. Students will maintain a lab journal describing their daily experiences and what they have learned. This should include detailed instructions for conducting various assays and notes describing the various projects they are working on. A semi monthly report (see form) should be submitted to the faculty supervisor for review.

2. At the end of the semester students must submit: a) their lab journal, b) a completed student evaluation form (see attached) and c) a final report (see format) to the faculty supervisor on or before the last day of classes for the semester.

Grading for the course:

Grades are assigned by the faculty supervisor. The requirements for achieving a grade in ANFS 468 follow and are weighted as indicated:

Faculty Supervisor's Evaluation 25%
Semi Monthly Reports and Lab Journal 25%
Final Report 50%

**ANFS 468 – Research
SEMIMONTHLY REPORT
Dept. of Animal and Food Sciences**

Student Name: _____

Mailing Address: _____

Faculty Supervisor Name: _____

Date: _____

INSTRUCTIONS: Provide the information requested below. A written comment is expected in each category. Expected due dates will be established at the beginning of the semester in consultation with the advisor.

Brief outline of activities since the last report including number of hours worked:

What new insights, knowledge and experiences have been gained since the last report?

Identify any areas of concern, frustration or problems which have surfaced or may develop in the future.

What general comments or suggestions can be made at this point?

ANFS 468*
**Animal and Food Science - Research
GUIDELINES FOR THE FINAL REPORT**

Purpose of Report

As indicated in the memorandum of agreement, each student is to submit a final report to the faculty supervisor. The purpose of this final report is to summarize the research experience. New or unique experiences should be emphasized, particularly those concerning the objectives of the research. The report gives the student an opportunity to write his or her reflection on the program and express those things that have the most meaning now that this course for credit is completed.

The lab journal, semimonthly reports and any notes should be used to write the final report. It is encouraged to begin the writing of the final report during the last two or three weeks of the program in order to complete it by the last day of class.

Format

The length of the typed report should fall between seven (7) and ten (10) pages, double spaced, 1 inch margin, 12 point font. A typed copy is required. Care should be given to format, correct spelling, punctuation, and grammar.

Content

All final reports must include an "Introduction" describing the general objectives of the research experience. A section on "Materials and Methods" may be included if appropriate. Appropriate tables, figures, photos, etc. should be included in a "Results and Discussion" section for those students who generate specific data. For students that may not have an individual or personal research project, the final report should include a discussion of the different aspects of the research experience (e.g. techniques learned, how knowledge gained in classes related to the research experiences, etc.). The major content of the report should relate to those items that seem of prime importance to the student in terms of what was learned, unique experiences and new methodology observed and/or gained. This part of the report provides the opportunity to write considerable detail about a facet(s) of the research experience that was most educational or meaningful. The report should also include appropriate citations relative to methods utilized and references made to past research. The report should discuss how your research data compares or contrasts with other research that has been published. Future directions for the project should also be discussed. All reports should have a section on "Conclusions" that reflects on the most important conclusions about the experience.

Due Date

The report and evaluations are due on or before the last day of class for the semester in which you are registered for the course.

**ANFS 468 - Research
STUDENT'S FINAL EVALUATION**

Name: _____

- A. Evaluation of your personal characteristics.** Using the rating scale provided, evaluate your performance while involved in this program. If you felt you made noticeable improvement in any of the characteristics since the beginning of the program, check the appropriate column and make any comments you wish.

Rating Scale:

1 = Excellent

2 = Very Good

3 = Average

4 = Unsatisfactory

<u>Characteristics</u>	<u>Rating</u>	<u>Check if Improved</u>	<u>Comments</u>
Ability to Learn	_____	_____	
Interest in Learning	_____	_____	
Speed of Completing Responsibilities	_____	_____	
Thoroughness	_____	_____	
Ability to Perform Without Supervision	_____	_____	
Willingness to Receive Guidance	_____	_____	
Relationships with Other Workers	_____	_____	
Relationship with Faculty supervisor	_____	_____	
Dependability and Reliability	_____	_____	
Judgement	_____	_____	
Common Sense	_____	_____	
Appropriateness of Personal Appearance	_____	_____	

<u>Characteristic</u>	<u>Rating</u>	<u>Check if Improved</u>	<u>Comments</u>
Enthusiasm	_____	_____	
Courtesy	_____	_____	
Overall Performance	_____	_____	
Other: (Please Specify)	_____	_____	

B. General Questions

1. In considering your overall research program, what were the:

Strong Points

Weak Points

2. Would you recommend this research program for other students who might follow you? Why or why not?

3. Did you truly feel that you were justified in receiving university credit for this experience? Why or why not?

4. Other comments:

Signed

Date

**ANFS 468 - Research
FACULTY RESEARCH SUPERVISOR'S
FINAL EVALUATION**

Research Lab _____

Duration of Association: From: _____ To: _____

Name of Student: _____

A. Rating of Student Characteristics:

Using the rating scale below, please evaluate the following characteristics for the above named student. If the student made noticeable improvement in any of the characteristics during his/her program, check the appropriate column and feel free to make any comments.

Rating Scale:

1 = Excellent

2 = Very Good

3 = Average

4 = Fair

5 = Unsatisfactory

<u>Characteristics</u>	<u>Rating</u>	<u>Check if Improved</u>	<u>Comments</u>
Ability to Learn	_____	_____	
Interest in Learning	_____	_____	
Speed of Completing Responsibilities	_____	_____	
Thoroughness	_____	_____	
Ability to Perform Without Supervision	_____	_____	
Willingness to Receive Guidance	_____	_____	
Relationships with Other Workers	_____	_____	
Relationship with Faculty Supervisor	_____	_____	

