

UCCC AGENDA for February 11, 2015

Meeting 12:30-2:30 p.m. in Talley Student Center 3285

CALL TO ORDER

Quorum 12

Welcome and Introductions- Chair, Dr. David Auerbach

Remarks and updates from Dr. Barbara Kirby, Associate Vice Provost, Academic Programs & Services

MINUTES

Approval of UCCC January 28, 2015 Minutes

Recorder : Gina Neugebauer

CONSENT AGENDA

<u>Presenter:</u>	<u>Action:</u>	<u>Type:</u>	<u>Notes:</u>
Despain	HI 207- <i>Ancient Mediterranean World</i>	Rev: Title, Abbreviated Title	n/a
Despain	HI 498- <i>Independent Study in History</i>	Rev: Catalog Description	n/a

MAJOR ACTIONS

<u>Presenter:</u>	<u>Reviewers:</u>	<u>Action:</u>	<u>Type:</u>
College of Agriculture and Life Sciences			
Kraus	Berube, Black, Hessling	HS 432/532 <i>Permaculture-Sustainable Living</i>	Rev: Grading Method, Catalog Description
Kraus	Despain, Hergeth, Koch	LSC 170 <i>First Year Seminar in the Life Sciences</i>	New Course
Kraus	Beller, Parish, Nowel	ANS 240- <i>Livestock Merchandising</i>	Rev: Catalog Description, Pre-reqs, Restrictive Statement
Kraus	Hardin, Ozturk, Warren	ANS 240A- <i>Livestock Merchandising</i>	Rev: Catalog Description, Pre-reqs, Restrictive Statement

College of Engineering

Parish	Banks, Brothers, Kraus	<i>Proposed:</i> Construction Engineering (14CNEBS) General Construction Concentration (14CNEGEN) Mechanical Construction (14CNEMEC)	Revision to Titles; Revision to current SIS codes
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ANNOUNCEMENTS

Course Actions Available for Review in CIM: [Click Here](#)

Instructional Format Subcommittee will meet directly after meeting.

ATTENDANCE

Members Present (Quorum Present: 15) Chair Elect Scott Despain, Amanda Beller, David Berube, Betty Black, Gene Brothers, Debbie Currie, Charles Hardin, Tom Koch, Helen Kraus, Andy Nowel, Hatice Ozturk, David Parish, Kathleen Rieder, Rebecca Swanson, Robert Warren

Ex-Officio Members Present: Charles Clift, Catherine Freeman, Barbara Kirby

Members Absent: David Auerbach (E), Alton Banks, Joseph Gilliam, Michael Helms, Helmut Hergeth, Peter Hessling, Brittany Mastrangelo (E), Farzad Rezaei

Guests Present: Angkana Bode (Staff Senate Representative-*Design and Construction Services Directory*), Ivey Jae Carroll (Student Senate Representative-*Parks, Recreation and Tourism Management*), Bhupender Gupta (*Textile Engineering Chemistry and Science*), Beth Overman (*Graduate School*), Mohan Ramaswamy (*Research & Graduate Services*)

WELCOME and INTRODUCTIONS

Remarks from Chair Elect, Scott Despain:

Chair Elect Scott Despain welcomed the committee to the 1.28.2015 UCCC Meeting in Talley Student Center 3285.

Remarks from Associate Vice Provost Academic Programs, Barbara Kirby:

Dr. Kirby announced to the committee that the [Course Inventory Management \(CIM\) program](#) has been rolled out to campus. She thanked Catherine Freeman, Kasey Harris, and Gina Neugebauer for their hard work. Dr. Kirby also thanked members that attended the CIM training held on 1.22.2015 and 1.23.2015. She asked that member notify OUCC if they run into any issues.

CONSENT AGENDA

➤ Approval of the Minutes from December 10, 2014

A motion was made and seconded to approve the Minutes as presented. Without discussion, the motion was **APPROVED** unanimously.

NEW BUSINESS

➤ GPH 425 Global Health and Physiology- APPROVED unanimously with friendly suggestion.

Discussion: Robert Warren moved; David Parish seconded. The presenter introduced Dr. Beth Overman (*Graduate School*) to answer any questions or concerns related to the course. One member observed that many students are not able to make through the Study Abroad application, because they do not meet the Study Abroad Department’s GPA requirements. She explained that Study Abroad usually has a higher standard, with a C or more to be able to participate in Study Abroad through NCSU. Dr. Overman explained that she thought it was 2.0, but she would check with Study Abroad to confirm. She explained that so far students applying have met the minimum for the course and Study Abroad. Dr. Kirby noted that the minimum would not be a C- as student organization are not supposed to be below 2.5 GPA for officers. She noted that 2.0 most likely. One UCCC member asked for more information on the reflective writing. She noted that it has been included on recent course actions. Dr. Overman explained that the reflection writing for this course is based on the [DEAL model](#), centered on course readings. The member asked if students would need vaccinations to participate in the course. Dr. Overman noted that they do, and that this is handled through the Travel Center in Student Health Services. The member noted that this might need to be included in the catalog description. Dr. Kirby explained that this is part of the Study Abroad requirements, but couldn’t hurt to provide the information twice. With friendly suggestions to add the health vaccinations for the course, the action was **APPROVED** unanimously.

- FW 445 Human Dimensions of Conservation Biology in the Bahamas – TABLED unanimously.
Discussion: Gene Brothers moved; David Parish seconded. One member noted that he believed that the following learning outcome was a bit of an overreach: *Communicate their work in a professional manner with oral presentation and interactive discussions with diverse groups (e.g., classmates, K-12 Bahamian students, professional Bahamian partners)*. He also noted that there were no readings for the course. Additionally, he suggested that the participation with a field journal may need further clarification. He asked how one qualifies the types of writing? A member suggested that the course may want to move up the training in the course, before students start interviewing. Chair Elect Despaigne noted that there is no co-requisite mentioned, but it is enforced. Dr. Kirby explained that the course is a type of course, made up of face-to-face and research, and the course has been working with the Study Abroad Office. She noted that it follows a set up similar to the Spring Break/short break trips, that have instruction before the trip; participate in the international trip, and when they return to NCSU there is a debriefing. Dr. Kirby believed that the course was following this model, but was not sure if the correct boxes were selected. She asked if the course accounts for all of the credit hours and contact hours. The presenter explained that the lecture components and fieldwork components have been added to create 3 hours. One member asked for confirmation that the course was a 10 week course. This was confirmed. Dr. Kirby noted that everyone who creates trips does something different. She noted that those involved in this process have been wrestling with this issue for the past five years. Dr. Kirby noted that perhaps UCCC could set up parameters to help with the process. She explained that she has no doubt that the course uses the hours allotted as she has participated in one of the trips. One member suggested that the restrictive statement could be included in the catalog description. He noted that the wording mentioned that students would need to be responsible for ‘some’ of their own transportation and this may vary year by year with information on the Study Abroad site for each trip. Another member noted that there may be hurricanes in the Bahamas during the summer. He asked what contingencies have been set up if something unforeseen does occur. The presenter explained that this was not discussed at his CC meeting, but he will talk to the college. A motion was made to **TABLE** for the following reasons: readings to be included, participation grade details, clarification on contact and credit hours, additional information on transportation statement, clarification on the restrictive statement. A friendly suggestion was made to review the student learning objective. Without any further discussion, the action was **TABLED** unanimously.
- Environmental Design in Architecture (12EDAB) - APPROVED unanimously without discussion.
Discussion: KR moved; DP seconded. Without any discussion, the action was **APPROVED** unanimously.
- Animal Science-Veterinary Bioscience (11ANSCB-11ANSCVET) - APPROVED unanimously without discussion.
Discussion: CH moved; DP seconded. Without any discussion, the action was **APPROVED** unanimously.

ANNOUNCEMENTS and DISCUSSION

The Service Learning Task Force Presentation was presented by Angkana Bode (Staff Senate Representative-*Design and Construction Services Directory*), Ivey Jae Carroll (Student Senate Representative-*Parks, Recreation and Tourism Management*), Bhupender Gupta (*Textile Engineering Chemistry and Science*), and Mohan Ramaswamy (*Research & Graduate Services*).

Ms. Ivey Carroll explained the student perspective in regards to a need for Service Learning courses. She explained her background, as a full time student in the College of Natural Resources with a job in her field, paying for school on her own. Ms. Carroll noted that she has peers that do not have work experience that relates to their major. She emphasized this would help NCSU students if employers could see the fieldwork and work experience demonstrated on their transcript. Currently, Ms. Carroll has had courses that have elements of Service Learning. Dr. Mohan Ramaswamy explained the historical context behind the Service Learning Task Force. He noted that the university has been formally looking at this with a Provost-charged committee. The goal was to develop criteria for existing courses that can be recognized and classified as Service Learning. Dr. Ramaswamy asked the UCCC to develop criteria to determine if a course should be considered Service Learning. His hope is that Service Learning would then be implemented. The Task Force emphasized that Service Learning should require a minimum of five hours reserve to serve the community, with a formula of 3 credit hours equaling 15 hours of service.

Ms. Angkana Bode noted Service Learning could engage one hundred staff and offices throughout the state with contributing and partnering in this program. One hundred counties will start reaping benefits from this. One central feature of Service Learning courses is that the service strongly relates to the academic content of the course. So far sixty five courses have been identified. As of 2012, approximately 31 departments offer civically engaged courses, spanning eight colleges. Service

Learning would operate as a project designed collaboratively by the faculty member and community partners which leads to benefits for the student, NCSU, and the community partner.

Task Force Emphasized that Service Learning is not:
Paid/unpaid internship
Episodic volunteer program
An add on to existing school or college curriculum
A way to accrue a set number of community service hours for graduation
Compensatory service assigned as a form of punishment by the course or by school administrators
One sided relationship: Benefitting only students.

Recommendations from Service Learning Task Force
Involve UCCC/CUE help with approving new courses
Include sitting chair from Task Force Andrew Behnke
Create a new field on the Course Action Form/CIM
Search term/suffix for course catalog
Create designation for transcript
UCCC Task Force on Service Learning to develop plan
Work on a pilot with 1-2 colleges
Anticipated roll out of Fall 2016
Roll out a potential GEP Requirement for undergraduate students.

Dr. Gupta noted that NCSU, as a land grant university, sees every student coming into the university as a potential leader regardless of GPA. To goal is to optimize growth and leadership, and Service Learning provides more than one way for a student to excel. The Task Force hopes that NCSU every student will have at least one Service Learning experience, with enough courses distributed among the departments. He noted that two colleges, College of Textiles and Poole College of Management, do not have Service Learning courses. Dr. Gupta emphasized that land grant universities should have students engaging with business, communities, and institutions. He noted that there will be long and short term returns. Catherine Freeman noted that 65 courses have been recognized. These courses would be brought forward to the committee to see if they meet the criteria for a Service Learning attribute. Additionally, courses could add the Service Learning attribute. Dr. Kirby explained to the committee that the university is committed to the [Carnegie definition](#). If the committee starts discussing possible GEP requirements, this would then be turned over to CUE for review. If a Service Learning attribute is assigned, this would allow for students to be able to search for a Service Learning course. One member noted that her college requires a Study Abroad experience from every student for graduation. She noted that sometimes students cannot do Study Abroad, but could possibly do Service Learning. Study Abroad courses require a significant amount of work to be created, and the same would be expected of a Service Learning course.

Dr. Kirby noted that a Study Abroad course could also have Service Learning components. She gave an example where students help tag tigers in India. Ms. Carroll noted that since she works and is paying for her own tuition, she is unable to participate in Study Abroad. She would need to pay for the experience herself, and it is too much out of her own packet. She knows that many of her peers are in the same position, and that having Service Learning as an experience will help boost their resumes. A member of the committee noted that for pre-dental and pre-health students, there is a requirement of 200-300 hours of volunteer service with no credit given. It helps with their CV's, but the issue is that the students have no formalized courses. This volunteer service incorporates hard work and learning, and can block them from participating in other activities. Dr. Kirby noted that there is a lot of discussion currently occurring regarding this, from the University Strategic Plan to the DASA Strategic Plan, which asks the questions: What is academic? What is co-curricular? She noted that Service Learning is a nice blend of this, with a co-curricular experience, but imbedded with learning outcomes in academic settings. Dr. Kirby pointed to Dr. Anita Flick's courses as a great example of this. A member explained for a student to do research in his department, a student would be required to participate for 3-4 years, which is helpful or training but there is no accreditation or paycheck. It is completely volunteer work.

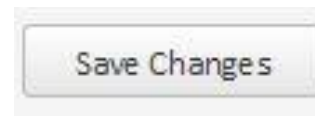
DRAFT

DRAFT

Chair Elect Despain noted that there will be an opportunity to volunteer for this subcommittee. Dr. Kirby noted that the OUCC will be sending out notification concerning all of UCCC's pending subcommittees. She explained that the Provost has a major interest in a Service Learning subcommittee. Dr. Kirby noted that the Service Learning Task Force Report will be posted to the UCCC website. She also emphasized that this subcommittee would need Registration and Records representation. Charles Clift, from Registration and Records, noted that there has been discussion regarding how it would be represented on the transcript. His office is waiting for Service Learning to be formalized.

CourseLeaf Implementation Update presented by Catherine Freeman

Catherine Freeman gave an overview of the new Course Inventory Management (CIM) form. She explained to the committee that it is a joint effort for graduate and undergraduate course submissions. Catherine Freeman showed members the help bubbles located on the form and links on the [OUCC site](#) with more detailed instructions for course submission. She emphasized the *Save Changes* button to assist with multiple entries and collaboration. Catherine Freeman also outlined the *Approval Pages* and the course workflow. She noted that she will be sending out an email to colleges and departments requesting their review of their workflow in CIM. Dr. Kirby emphasized that members on the committee will be representatives for the form; what they hear from their colleagues will be beneficial in making CIM efficient and user-friendly.



Announcements

Chair Elect Despain reminded committee members of the Faculty Survey. He encouraged members to fill out the survey if they have any interest in serving on UCCC, CUE, or other committees. Chair Elect Despain noted that if a faculty member does not fill out the survey, they cannot be appointed to a committee.

Meeting adjourned at 1:56pm.

Respectfully submitted by Gina Neugebauer

Department of History
Campus Box 8108
Raleigh, NC 27695-8108

919.515.2483
919.515.3886 (fax)

MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: Jonathan Ocko, Head, History

DATE: January 12, 2015

SUBJECT: Change in HI 207 course title

PROPOSED EFFECTIVE DATE: May, 2015

The History Department wishes to change the title of HI 207 to clarify the course focus and coverage. There are no changes in the course content.

HI 207

Current course title: Ancient World to 180 A.D

Current abbreviated title: Anc Wrld to 180 Ad

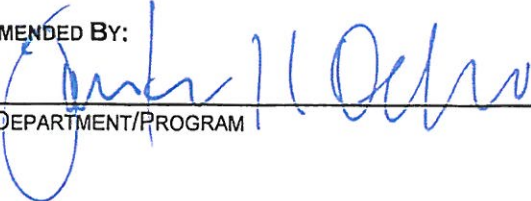
Proposed course title: Ancient Mediterranean World

Proposed abbreviated title: Ancient Mediterranean World

SIGNATURE PAGE

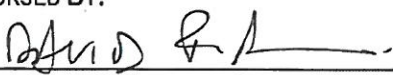
COURSE ACTION FOR HI 207

RECOMMENDED BY:


 1/12/15

HEAD, DEPARTMENT/PROGRAM DATE

ENDORSED BY:

 1/26/15

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE DATE

 1/28/2015

COLLEGE DEAN DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA) DATE

APPROVED EFFECTIVE DATE _____

NC STATE UNIVERSITY

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Campus Box 8108
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MEMORANDUM

TO: University Courses and Curricula Committee (UCCC)

FROM: Jonathan Ocko, Head, History

DATE: January 12, 2015

SUBJECT: Change in HI 498 Catalog description

PROPOSED EFFECTIVE DATE: May, 2015

The History Department wishes to change the Catalog description of HI 498 to clarify for prospective students the design of the course and the application procedure. There are no changes in the course content.

HI 498

Current Catalog Description:


Extensive readings on predetermined topics focused around a central theme. Permission of the department is required.

Proposed Catalog Description:

Extensive readings focused around a central theme or research question. Permission of the department is required, with submission of a Contract of study. It is the student's responsibility to identify a History faculty member who will agree to serve as supervisor of the independent study. Contact the History Department office to obtain a copy of the Contract form. With the faculty supervisor, the student will develop and provide a description of the proposed topic, proposed readings, and a schedule of meetings and written requirements, and submit the signed contract.

SIGNATURE PAGE

COURSE ACTION FOR HI 498

RECOMMENDED BY:  DATE 1/12/16
 HEAD, DEPARTMENT/PROGRAM _____ DATE _____

ENDORSED BY:  DATE 1/26/15
 CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE _____ DATE _____

 DATE 1/28/2015
 COLLEGE DEAN _____ DATE _____

APPROVED BY: _____
 CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE DATE _____

 CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION DATE _____

 DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA) DATE _____

APPROVED EFFECTIVE DATE _____

**N.C. STATE UNIVERSITY
UNDERGRADUATE COURSE ACTION FORM**

Effective September 2008

NOTE: Click shaded fields to type data and click on boxes to check.

DEPARTMENT/PROGRAM	HORTICULTURAL SCIENCE	
COURSE PREFIX/NUMBER	HS 432	
PREVIOUS PREFIX/NUMBER		
COURSE TITLE	Permaculture : Sustainable Living	
ABBREVIATED TITLE	INTRO TO PERMACULTURE	
SCHEDULING	Fall X Spring X Summer <input type="checkbox"/> Every Year X Alt. Year Odd <input type="checkbox"/> Alt. Year Even <input type="checkbox"/> Other <input type="checkbox"/>	
COURSE DELIVERY CHECK ALL THAT APPLY	ON CAMPUS X DISTANCE EDUCATION X ONLINE <input type="checkbox"/> REMOTE LOCATION <input type="checkbox"/>	
COURSE CREDIT/GRADING	CREDIT HOURS 3	GRADING ABCDF X S/U <input checked="" type="checkbox"/> Both s/u and letter grade
CONTACT HOURS <i>See contact/credit hour guidelines for detail.</i>	LECTURE 3 SEMINAR LABORATORY PROBLEM STUDIO INDEPENDENT STUDY RESEARCH INTERNSHIP PRACTICUM FIELD WORK	
IS COURSE REPEATABLE FOR CREDIT?	N	# REPEATS ALLOWED 0
INSTRUCTOR(S) (NAME/RANK)	ANNE SPAFFORD, ASSOCIATE PROFESSOR	
	DUAL APPOINTMENT? <input type="checkbox"/>	

TYPE OF PROPOSAL	
NEW COURSE	<input type="checkbox"/>
DROP COURSE	<input type="checkbox"/>
REVISE COURSE	<input checked="" type="checkbox"/>
REVISION IN:	
CONTENT	<input type="checkbox"/>
PREFIX/NUMBER	<input type="checkbox"/>
TITLE	<input type="checkbox"/>
ABBREVIATED TITLE	<input type="checkbox"/>
CREDIT HOURS	<input type="checkbox"/>
CONTACT HOURS	<input type="checkbox"/>
GRADING METHOD	X
SCHEDULING	<input type="checkbox"/>
PRE/CO-REQUISITES	<input type="checkbox"/>
RESTRICTIVE STATEMENT	<input type="checkbox"/>
CATALOG DESCRIPTION	<input checked="" type="checkbox"/>
LEARNING OUTCOMES	<input type="checkbox"/>
GEP LEARNING OUTCOMES ONLY	<input type="checkbox"/>
DUAL-LEVEL COURSE	X
GEP COURSE	<input type="checkbox"/>
CHECK APPLICABLE CATEGORY BELOW:	
HUMANITIES	<input type="checkbox"/>
SOCIAL SCIENCES	<input type="checkbox"/>
MATHEMATICAL SCIENCES	<input type="checkbox"/>
NATURAL SCIENCES	<input type="checkbox"/>
INTERDISCIPLINARY PERSPECTIVES	<input type="checkbox"/>
VISUAL & PERFORMING ARTS	<input type="checkbox"/>
PE/HEALTHY LIVING	<input type="checkbox"/>
GLOBAL KNOWLEDGE CO-REQ	<input type="checkbox"/>
U.S. DIVERSITY CO-REQ	<input type="checkbox"/>
THEMATIC TRACK	<input type="checkbox"/>
DOCUMENTATION AS REQUIRED	
(CHECK ALL THAT APPLY)	
COURSE JUSTIFICATION	<input type="checkbox"/>
PROPOSED REVISION(S) WITH REASONS	X
ENROLLMENT LAST 5 YEARS	<input type="checkbox"/>
NEW RESOURCES STATEMENT	X
CONSULTATION WITH DEPARTMENT(S) PROVIDED	<input type="checkbox"/>
SYLLABUS (OLD AND NEW)	X
GEP CATEGORY OBJECTIVES	<input type="checkbox"/>
GEP STUDENT LEARNING OUTCOMES	<input type="checkbox"/>
MEANS OF ASSESSING GEP OUTCOMES	<input type="checkbox"/>

ANTICIPATED ENROLLMENT	Per semester 25 Per section 25 Will multiple sections be offered? Yes <input type="checkbox"/> No X	
PREREQUISITE(S)	NONE	
COURSE(S) TO BE COMPLETED PRIOR TO ENROLLING	ENFORCE PRE-REQUISITE CHECKING? No	
CO-REQUISITE(S)	NONE	
COURSE(S) TO BE TAKEN CONCURRENTLY WITH THIS COURSE	ENFORCE CO-REQUISITE CHECKING? No	
PRE/CO-REQUISITE FOR...	NONE	
RESTRICTIVE STATEMENT (EX: MA AND AMA MAJORS ONLY)	NONE	
COURSE IS REQUIRED FOR:	LIST DEGREE KEY FOR ALL CURRICULA OR IDENTIFY MINOR IN WHICH COURSE IS OR WILL BE REQUIRED	
COURSE IS AN ELECTIVE FOR:	THG, THL AND HS MINOR	
PROPOSED EFFECTIVE DATE 11/14	APPROVED EFFECTIVE DATE	COURSE REVIEW DUE

CATALOG DESCRIPTION: (INCLUDE ANY RESTRICTIVE, TRANSPORTATION, OR FEE STATEMENTS) (100 WORD LIMIT)
Permaculture means "permanent culture," (or "permanent agriculture") and "...is the conscious design and maintenance of cultivated ecosystems that have the diversity, stability, and resilience of a natural ecosystem." (Bill Mollison) This course will explore, through lectures, discussions, field trips, and required projects, a design/thinking methodology that seeks to provide for our physical needs, food, water, shelter, energy, etc., while doing so in an environmentally friendly, sustainable manner. The Saturday field trips and the weekend mountain trip are all optional.

3 weeks required

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COURSE ACTION FOR TYPE COURSE NUMBER/PREFIX HERE

RECOMMENDED BY:

[Signature]

HEAD, DEPARTMENT/PROGRAM

DATE

10/3/14

ENDORSED BY:

[Signature]

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

DATE

10/31/14

[Signature]

COLLEGE DEAN

DATE

10/31/14

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE _____

Proposed Revision with Reasons

This course was taught by an instructor that has retired. The new instructor for this course wants students to be able to take the course for a grade instead of just for an S/U. The course grading has been adjusted.

New Resource Statement

No new resources are required for this course. This course has been added to Anne Spafford's current teaching load.

Enrollments over the last 5 years:

Fall 2014	28
Spring 2014	24
Fall 2013	29
Spring 2013	32
Fall 2012	47
Spring 2012	40
Fall 2011	48
Spring 2011	13
Fall 2010	46
Spring 2010	36

HS 432-001 Course Syllabus

HS 432-001 – Permaculture: Sustainable Living

Section 001

FALL 2015

3 Credit Hours

Course Description

Sustainability is defined as, "Meeting the needs of today's generation without compromising the abilities of future generations to meet their own needs." Permaculture is one method of sustainable design. At its simplest level, Permaculture means, 'permanent culture,' (or 'permanent agriculture') and "... is the conscious design and maintenance of cultivated ecosystems that have the diversity, stability and resilience of a natural ecosystem." One expanded definition is, "It is the harmonious integration of the landscape, people and appropriate technologies, providing food, shelter, energy and other material and nonmaterial needs in a sustainable way." (Quotes from Bill Mollison.). This course is an exploration, through lectures, discussions, and required projects, of a thinking/design methodology that seeks to provide for our physical needs, food, water, shelter, energy, etc., while doing so in an environmentally friendly, sustainable manner.

Learning Outcomes

The overall goal of this course is to provide students with positive examples and methodologies to take action toward regenerating the health of the natural environment while meeting their physical needs.

By the completion of the course, students will be able to:

1. Explain the ethics, principles, and methodology of Permaculture;
2. Better observe and analyze their surroundings; make connections between pieces of information; and continue to develop their critical thinking skills;
3. Define the elements that make up sustainability, and articulate practices that are truly sustainable;
4. Demonstrate the practice of thinking in terms of multi-functioning systems, or stacking functions;
5. Apply the design process used in permaculture to develop a productive and attractive landscape;
6. Demonstrate, through confidence developed in hands-on projects, their knowledge and understanding of Permaculture in an active, tangible way.

Course Structure

This course explores permaculture principles through lectures, guest lectures, discussions, and field trips. Students will complete projects and assignments that apply principles learned in the classroom.

Instructors

Anne Spafford (amspaffo) - *Instructor*

Email: amspaffo@ncsu.edu

Phone: 9195151190

Fax: 9195157747

Office Location: 110 Kilgore Hall
Office Hours: 9 a.m.-11 a.m. Tuesdays, Thursdays

Course Meetings

Lecture

Days: T
Time: 6:00pm - 8:45pm
Campus: Main
Location: 121 Kilgore Hall
This meeting is required.

Course Materials

Textbooks

Gaia's Garden: A Guide to Home-Scale Permaculture - Toby Hemenway
Edition: 2nd
ISBN: 978-1-60358-029-8
Cost: \$30.00
This textbook is required.

Expenses

Weekend Field Trip: Mountain Gardens, Burnsville, NC - \$115
This expense is optional.

Materials

None.

Requisites and Restrictions

Prerequisites

None.

Co-requisites

None.

Restrictions

None.

General Education Program (GEP) Information

GEP Category

This course does not fulfill a General Education Program category.

GEP Co-requisites

This course does not fulfill a General Education Program co-requisite.

Transportation

Transportation will be provided by: The Horticultural Sciences Department will provide vans for field trips more than 5 miles from campus. Non-scheduled class time for field trips or out-of-class activities is NOT required for this class.

Safety & Risk Assumptions

There is a small building project component to this course in which students, working in small groups, will build some aspect of a permaculture garden element. Depending on the type of project chosen, there might be heavy lifting, use of hand tools, planting, etc. Students are expected to work carefully and safely; as well as be cognizant of their immediate surroundings.

Grading

Grade Components

Component	Weight	Details
Projects	60%	<p>Each student will be expected to successfully complete five projects: Project 1 is a 'facilitating change' project. This is a practical project experience where you take part in a grassroots organization, observe council meeting, join a campus group that focuses on sustainability (SOUL Garden), volunteer a few hours at the Raleigh City Farm or the or make a lifestyle change and track your progress all semester (e.g. by more, tracking your recycling habits, etc.). By the end of the semester at any point up until then, submit a 1 page (min.) report on your experience on the Moodle site (a place to submit them will be in the block for the week of class). Assigned: Week 2; Due: Week 15.</p> <p>Project 2 is a permaculture-based landscape design, using principles discussed in class to date. Assigned: Week 3, Due: Week 5.</p> <p>Project 3 is a garden from seed. Each student will grow something edible from seed starting the last week of September. The garden must be documented from inception and presented in a power point presentation with at least one image taken each week, and notes. (You'll most likely want to take more images--especially at the beginning as seeds germinate. It's exciting!) Assigned: Week 6, Due: Week 15.</p> <p>Project 4 is a design for a tiny dwelling (no more than 600 sf for a couple). Assigned: Week 7; Due: Week 9.</p> <p>Project 5 is a building project. It can be the design and actual construction of some component of a permaculture system; the complete analysis and design of some project or site using permaculture principles; or any other major work that you can propose. Ideally, this should be a group project--again, to embrace the idea of community, but also to demonstrate that 'many hands make for light work.' These projects will also be presented using a power point format, and the presentation of these will be made during the second to last week of class. Assigned: Week 10; Due: Week 14.</p>

Component	Weight	Details
		<p><u>Grading of Assignments:</u> Exercises and projects will be based on the following criteria:</p> <p>100-90% (A): outstanding academic performance, only minor mistakes that would not critically affect the overall solutions; all technical data complete and accurate; documentation quality is excellent; high level critical thought and design process apparent, all work is submitted on all project requirements followed. A+ 98-100, A 94-97, A- 90-93</p> <p>89-80% (B): very good to good academic performance, minor mistakes are not critical, but overall solution is affected; good level of critical thought and design process apparent, technical data is complete and accurate; documentation quality is good but could use improvement; work submitted on time. B+ 88-89, B 84-87, B- 80-83</p> <p>79-70% (C): average academic performance, mistakes are apparent that seriously affect the solution, technical data is incomplete or contain inaccuracies; documentation quality is average and needs improvement. C+ 78-79, C 74-77, C- 70-73</p> <p>69-60% (D): poor academic performance, solution not workable, major errors in technical data and accuracy; documentation quality poor. Work does not reflect lessons/course material. D+ 68-69, D 64-67, D- 60-63</p> <p>59-50% (F): failing, work incomplete, no evidence of comprehension material, work not submitted. 59 points or less.</p>
Field Trips	20%	Up to eight weekend field trips will be available for students. It is required that each student must attend at least 3. These field trips are typically on Saturday, and only take a portion of the day (e.g. the morning or afternoon--not both). A one-page, typed, write-up of lessons learned will be due within one week after each field trip.
Attendance	20%	Attendance will be recorded every class session.

Letter Grades

This Course uses Standard NCSU Letter Grading:

97 ≤	A+	≤	100
93 ≤	A	<	97
90 ≤	A-	<	93
87 ≤	B+	<	90
83 ≤	B	<	87
80 ≤	B-	<	83
77 ≤	C+	<	80
73 ≤	C	<	77
70 ≤	C-	<	73
67 ≤	D+	<	70
63 ≤	D	<	67
60 ≤	D-	<	63
0 ≤	F	<	60

Requirements for Credit-Only (S/U) Grading

In order to receive a grade of S, students are required to take all exams and quizzes, complete all assignments, and earn a grade of C- or better. Conversion from letter grading to credit only (S/U) grading is subject to university deadlines. Refer to the Registration and Records calendar for deadlines related to grading. For more details refer to <http://policies.ncsu.edu/regulation/reg-02-20-15>.

Requirements for Auditors (AU)

Information about and requirements for auditing a course can be found at <http://policies.ncsu.edu/regulation/reg-02-20-04>.

Policies on Incomplete Grades

If an extended deadline is not authorized by the instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at <http://policies.ncsu.edu/regulation/reg-02-50-3>.

Late Assignments

Late work will be penalized one letter grade a day for every day that it is late.

Attendance Policy

For complete attendance and excused absence policies, please see <http://policies.ncsu.edu/regulation/reg-02-20-03>

Attendance Policy

Attendance is required for this class.

Absences Policy

Students are allowed one unexcused absence without penalty. After the 4th unexcused absence, a student's semester grade is reduce by one letter grade.

Makeup Work Policy

Students with excused absences (prior approval from instructor, doctor's note) will be allowed to make up work. The student and instructor will discuss an appropriate time line.

Additional Excuses Policy

None.

Academic Integrity

Academic Integrity

Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at <http://policies.ncsu.edu/policy/pol-11-35-01>

Academic Honesty

See <http://policies.ncsu.edu/policy/pol-11-35-01> for a detailed explanation of academic honesty.

Honor Pledge

Your signature on any test or assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."

Electronically-Hosted Course Components

Students may be required to disclose personally identifiable information to other students in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussions of class topics, and posting of student coursework. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.

Electronically-hosted Components: This course has a Moodle component, where students upload assignments and forum discussions.

Accommodations for Disabilities

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, student must register with the Disability Services Office (<http://www.ncsu.edu/dso>), 919-515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at <http://policies.ncsu.edu/regulation/reg-02-20-01>.

Non-Discrimination Policy

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05> or http://www.ncsu.edu/equal_op/. Any person who feels that he or she has been the subject

of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 919-515-3148.

Course Schedule

NOTE: The course schedule is subject to change.

Lecture T 6:00pm - 8:45pm — Week 1: INTRODUCTIONS — 08/25/2015 - 08/25/2015

"Introductions, Aims, Expectations"

"Introduction to Permaculture: What and Why? Ethics and Principles"

Lecture T 6:00pm - 8:45pm — Week 2: OBSERVE & RECOGNIZE NATURAL PATTERNS — 09/01/2015 - 09/01/2015

"Concepts and Themes in Design"

"Garden Ecology and Development"

Assign Project #1: Facilitating Change (can be done at any point, or throughout the semester, depending on the subject)

Lecture T 6:00pm - 8:45pm — Week 3: OBSERVE & RECOGNIZE NATURAL PATTERNS — 09/08/2015 - 09/08/2015

"Site Analysis"

"Design Patterns"

Assign Project #2: Permaculture Garden Design

Lecture T 6:00pm - 8:45pm — Week 4: PLANTS IN PERMACULTURE — 09/15/2015 - 09/15/2015

"Low Maintenance Edibles and Medicinals for the Landscape"

"Companion Planting: Plant Guilds and Dynamic Nutrient Accumulators"

Lecture T 6:00pm - 8:45pm — Week 5: SOILS — 09/22/2015 - 09/22/2015

"Vermicomposting"

"Garden Soil Overview"

Project #2: Permaculture Garden Design Due

Lecture T 6:00pm - 8:45pm — Week 6: WATER — 09/29/2015 - 09/29/2015

"Water Overview and Water Catchment"

"Rain Gardening in the Home Landscape"

Assign Project #3: Garden From Seed

Lecture T 6:00pm - 8:45pm — Week 7: DWELLINGS — 10/06/2015 - 10/06/2015

"Building with Salvaged and Recycled Materials"

"Living Small"

"Architectural Graphics and How-to"

Assign Project #4: Tiny Dwelling Design

**Lecture T 6:00pm - 8:45pm — Week 8: CONSTRUCTION —
10/13/2015 - 10/13/2015**

"Intentionally Small"
"Alternative Construction"

**Lecture T 6:00pm - 8:45pm — Week 9:
CONSTRUCTION/DWELLINGS — 10/20/2015 - 10/20/2015**

"Passivhaus Architecture"
Project #4: Tiny Dwellings Due
Critique Tiny Dwellings in class

**Lecture T 6:00pm - 8:45pm — Week 10: ENERGY CYCLING —
10/27/2015 - 10/27/2015**

"Alternative Transportation and Alternative Fuels"
Watch Big Ideas: BioBling
"Residential Solar Retrofit"
Assign Project #5: Building Project

**Lecture T 6:00pm - 8:45pm — Week 11: URBAN FARMING —
11/03/2015 - 11/03/2015**

"Bee Keeping in the Home Landscape"
"Chicken Keeping 101"

**Lecture T 6:00pm - 8:45pm — Week 12: COMMUNITIES —
11/10/2015 - 11/10/2015**

"Community Engagement on NC State's Campus: Getting Involved and Making a
Difference"
Watch "Ground Operations" (organic gardening programs for veterans video)

**Lecture T 6:00pm - 8:45pm — Week 13: RESEARCH
PRESENTATIONS — 11/17/2015 - 11/17/2015**

Graduate/honor student research presentations

**Lecture T 6:00pm - 8:45pm — Week 14: BUILD PROJECT
PRESENTATIONS — 11/24/2015 - 11/24/2015**

Project #5: Building Project Due
Build project presentations

**Lecture T 6:00pm - 8:45pm — Week 15: COURSE WRAP-UP
AND REFLECTION — 12/01/2015 - 12/01/2015**

Celebratory meal
"Course Wrap-up and Reflection"
Project #1: Facilitating Change Project Due
Project #2: Garden From Seed Due (final compilation of garden project)

**N.C. STATE UNIVERSITY
UNDERGRADUATE COURSE ACTION FORM**

Effective September 2008

NOTE: Click shaded fields to type data and click on boxes to check.

DEPARTMENT/PROGRAM	LIFE SCIENCES FIRST YEAR PROGRAM (WITHIN 17BSC)		
COURSE PREFIX/NUMBER	LSC 170		
PREVIOUS PREFIX/NUMBER			
COURSE TITLE	FIRST YEAR SEMINAR IN THE LIFE SCIENCES		
ABBREVIATED TITLE	LSFY SEMINAR		
SCHEDULING	Fall <input checked="" type="checkbox"/> Spring <input checked="" type="checkbox"/> Summer <input type="checkbox"/> Every Year <input checked="" type="checkbox"/> Alt. Year Odd <input type="checkbox"/> Alt. Year Even <input type="checkbox"/> Other <input type="checkbox"/> As Needed		
COURSE DELIVERY CHECK ALL THAT APPLY	ON CAMPUS <input checked="" type="checkbox"/> DISTANCE EDUCATION <input type="checkbox"/> ONLINE <input type="checkbox"/> REMOTE LOCATION <input type="checkbox"/>		
COURSE CREDIT/GRADING	CREDIT HOURS <u>1</u>	GRADING ABCDF <input checked="" type="checkbox"/> S/U <input type="checkbox"/>	
CONTACT HOURS <i>See contact/credit hour guidelines for detail.</i>	LECTURE SEMINAR 1	LABORATORY	PROBLEM
	STUDIO	INDEPENDENT STUDY	RESEARCH
	INTERNSHIP	PRACTICUM	FIELD WORK
IS COURSE REPEATABLE FOR CREDIT?	Y – IF TOPIC IS DIFFERENT	# REPEATS ALLOWED <u>1</u>	
INSTRUCTOR(S) (NAME/RANK)	VARIOUS DUAL APPOINTMENT? <input type="checkbox"/>		

ANTICIPATED ENROLLMENT	Per semester <u>will vary</u> Per section 8-16 Will multiple sections be offered? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
PREREQUISITE(S)	NONE		
COURSE(S) TO BE COMPLETED PRIOR TO ENROLLING	ENFORCE PRE-REQUISITE CHECKING? <input type="checkbox"/>		
CO-REQUISITE(S)	NONE		
COURSE(S) TO BE TAKEN CONCURRENTLY WITH THIS COURSE	ENFORCE CO-REQUISITE CHECKING? <input type="checkbox"/>		
PRE/CO-REQUISITE FOR...	NA		
RESTRICTIVE STATEMENT (EX: MA AND AMA MAJORS ONLY)	11LSFY OR 17LSFY		
COURSE IS REQUIRED FOR:	NA		
PROPOSED EFFECTIVE DATE FEB 2015	APPROVED EFFECTIVE DATE		

CATALOG DESCRIPTION: (INCLUDE ANY RESTRICTIVE, TRANSPORTATION, OR FEE STATEMENTS) (100 WORD LIMIT)

Topical problems in the life sciences. LSC 170 provides an opportunity for LSFY students to work in a small group setting with a faculty member to explore a topic within the faculty member's area of expertise. Emphasis will be placed on active, collaborative learning; effective communication skills; higher order cognitive skills; and applying the intellectual standards of critical thinking. Topics and instructors will vary from section to section and from semester to semester. Students can repeat LSC 170 as long as the two sections are on different topics.

TYPE OF PROPOSAL	
NEW COURSE	<input checked="" type="checkbox"/>
DROP COURSE	<input type="checkbox"/>
REVISE COURSE	<input type="checkbox"/>
REVISION IN:	
CONTENT	<input type="checkbox"/>
PREFIX/NUMBER	<input type="checkbox"/>
TITLE	<input type="checkbox"/>
ABBREVIATED TITLE	<input type="checkbox"/>
CREDIT HOURS	<input type="checkbox"/>
CONTACT HOURS	<input type="checkbox"/>
GRADING METHOD	<input type="checkbox"/>
SCHEDULING	<input type="checkbox"/>
PRE/CO-REQUISITES	<input type="checkbox"/>
RESTRICTIVE STATEMENT	<input type="checkbox"/>
CATALOG DESCRIPTION	<input type="checkbox"/>
LEARNING OUTCOMES	<input type="checkbox"/>
GEP LEARNING OUTCOMES ONLY	<input type="checkbox"/>
DUAL-LEVEL COURSE	<input type="checkbox"/>
GEP COURSE	<input type="checkbox"/>
<u>CHECK APPLICABLE CATEGORY BELOW:</u>	
HUMANITIES	<input type="checkbox"/>
SOCIAL SCIENCES	<input type="checkbox"/>
MATHEMATICAL SCIENCES	<input type="checkbox"/>
NATURAL SCIENCES	<input type="checkbox"/>
INTERDISCIPLINARY PERSPECTIVES	<input type="checkbox"/>
VISUAL & PERFORMING ARTS	<input type="checkbox"/>
PE/HEALTHY LIVING	<input type="checkbox"/>
GLOBAL KNOWLEDGE CO-REQ	<input type="checkbox"/>
U.S. DIVERSITY CO-REQ	<input type="checkbox"/>
THEMATIC TRACK	<input type="checkbox"/>

DOCUMENTATION AS REQUIRED	
(CHECK ALL THAT APPLY)	
COURSE JUSTIFICATION	<input checked="" type="checkbox"/>
PROPOSED REVISION(S) WITH REASONS	<input type="checkbox"/>
ENROLLMENT LAST 5 YEARS	<input type="checkbox"/>
NEW RESOURCES STATEMENT	<input checked="" type="checkbox"/>
CONSULTATION WITH DEPARTMENT(S) PROVIDED	<input type="checkbox"/>
SYLLABUS (OLD AND NEW)	<input checked="" type="checkbox"/>
GEP CATEGORY OBJECTIVES	<input type="checkbox"/>
GEP STUDENT LEARNING OUTCOMES	<input type="checkbox"/>
MEANS OF ASSESSING GEP OUTCOMES	<input type="checkbox"/>

SIGNATURE PAGE
ATTACHED

SIGNATURE PAGE

COURSE ACTION FOR LSC 170

RECOMMENDED BY:

Jim Zick
DIRECTOR, LSFY PROGRAM

1-13-15
DATE

ENDORSED BY:

Jim Flowers
CHAIR, CALS COLLEGE COURSES & CURRICULA COMMITTEE

1-23-15
DATE

Sam Z. Perke
COLLEGE CALS DEAN

1-30-15
DATE

James A. ...
CHAIR, COS COLLEGE COURSES & CURRICULA COMMITTEE

1-21-15
DATE

Jo-Anne Cohen
COLLEGE COS DEAN

1/21/2015
DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA) DATE

APPROVED EFFECTIVE DATE _____

LSC 170: First Year Seminar in the Life Sciences (LSFY Seminar)

Course Justification

LSFY seminars will provide students in the Life Sciences First Year Program the opportunity to work with a faculty member in a small group (maximum 16 students) during their first year in college. Having a single course number will allow a variety of faculty to teach LSFY seminars on a range of topics from semester to semester. It will also make it easier for LSFY students to find first year seminar offerings each semester.

Like special topics courses, an LSFY seminar on a given topic can be taught no more than twice using the LSC 170 number – after that, the instructor will need to submit a course action for a permanent course number, either through LSFY or through their home department. Students will be allowed to take no more than three LSC 170 courses and all must be on different topics.

Faculty who want to offer a 1-credit, letter-graded seminar to LSFY students will submit a proposal to the LSFY Program Committee, which will have responsibility for deciding which courses to offer as LSC 170 sections. The committee will make their decision based on the following guidelines.

To be offered as an LSFY seminar (LSC 170), a course must:

- address a topic relevant to the life sciences
- be limited in size to no more than 16 students
- clearly identify student learning outcomes
- state clear means of assessing each learning outcome
- incorporate writing and speaking requirements
- engage students in active or collaborative learning
- not be presented in a traditional lecture format
- challenge students to utilize Bloom's higher order cognitive skills (application, analysis, synthesis, evaluation)
- require students to apply the intellectual standards of critical thinking (clarity, accuracy, precision, relevance, depth, breadth, logic, significance, fairness)

Enrollment Last Five Years -- NA

New Resources Statement

No additional resources are needed. Faculty will offer these courses within the context of their teaching loads or, sometimes, in addition to their current teaching load.

Consultation with Other Departments

No formal consultation is necessary. We will be reaching out to departments across campus, however, to try to recruit faculty to teach these courses.

Proposed Syllabus

We have included a syllabus template to be modified by faculty offering LSC 170 sections, as well as a sample syllabus of one proposed LSC 170 offering.

LSC 170 LSFY Seminar: *ADD Topic*

(Syllabus is to be completed by the instructor and approved by the LSFY Program Committee; a sample syllabus from one such course has been provided at the end of this document.)

FALL 2015; 1 Credit Hour

Time TBD – class will meet once a week for 50 min

NCSU Life Sciences First Year Program

Course Description

Topical problems in the life sciences. LSC 170 provides an opportunity for LSFY students to work in a small group setting with a faculty member to explore a topic within the faculty member's area of expertise. Emphasis will be placed on higher order cognitive skills; applying the intellectual standards of critical thinking; active, collaborative learning; and effective communication skills. Topics and instructors will vary from section to section and from semester to semester. Students can repeat LSC 170 as long as the two sections are on different topics.

ADD description of the topic to be covered in this section of LSC 170.

Learning Outcomes

After completing this course, students will be able to:

- evaluate how scientific knowledge is applied in addressing a question of interest (*instructor can edit to be more specific in terms of the question of interest*).
- describe and apply the intellectual standards of critical thinking.
- demonstrate an ability to engage productively in collaborative projects.
- communicate the results of their work in an effective and appropriate manner, either written, spoken, or both (*instructor can edit based on the assignments incorporated into the course*).

Instructor must include at least one learning outcome that reflects the specific content of their LSC 170 section.

Course Structure

This course will involve discussion and group activities. Students may be expected to make presentations or lead discussions. Guest speakers may be invited and field trips may be involved. The course structure and expectations in any given section of LSC 170 will be made clear to students.

Course Schedule

Schedule to be added by the instructor.

Instructor

Instructor will vary from section to section - Instructor

Email:

Web Page:

Phone:

Office Location:

Office Hours:

Course Meetings

To be added by the instructor.

Course Materials

Textbooks

To be added by the instructor.

Materials and other Expenses

To be added by the instructor.

Requisites and Restrictions

Prerequisites

None. The instructor may recommend that a first year course (e.g., BIO 181, BIO 183, CH 101, ENG 101, MA 131) be in progress or be completed.

Restrictions

11LSFY or 17LSFY. If seats are available after enrollment, they will be opened to other FR students.

General Education Program (GEP) Information

This course does not fulfill any General Education Program requirement.

Transportation

To be added by the instructor if appropriate.

Safety & Risk Assumptions

To be added by the instructor if appropriate.

Grading

This will be completed by the instructor. Grades are likely to be based on assignments that include in-class presentations, essay exams, posters and poster presentations, participation in class discussion, or papers.

Component	Value	Comments

This Course uses Standard NCSU Letter Grading:

97	≤	A+	≤	100 %
93	≤	A	<	97
90	≤	A-	<	93
87	≤	B+	<	90
83	≤	B	<	87
80	≤	B-	<	83
77	≤	C+	<	80
73	≤	C	<	77
70	≤	C-	<	73
67	≤	D+	<	70
63	≤	D	<	67
60	≤	D-	<	63
0	≤	F	<	60

Requirements for Credit-Only (S/U) Grading

This course cannot be taken for credit only.

Requirements for Auditors (AU)

This course cannot be audited.

Policies on Incomplete Grades

A grade of Incomplete (IN) may be assigned at the discretion of your instructor. This will be considered only under exceptional circumstances that seriously interrupt your work and that are not caused by your own negligence. An IN grade is appropriate only if your record in this course is such that the successful completion of missed assignments or exams would enable you to pass the course. If an IN is granted, it is the student's responsibility to understand and comply with the terms under which the instructor will change the grade upon completion of required work.

If an extended deadline is not authorized by the instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at http://www.ncsu.edu/policies/academic_affairs/grades_undergrad/REG02.50.3.php.

Late Assignments

Assignments will NOT be accepted after they are due, unless you provide documentation of a university-sanctioned excuse within two days of missing the assignment. See the "Makeup Work" section for details. Information on university-sanctioned excuses can be found here: http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.3.php

If you feel an error has been made in grading one of your exams, return the exam to the instructor with a written explanation of the error; the entire exam may be re-graded. You must submit your request for a re-grade within one week after the exam is returned to you.

Attendance Policy

Attendance and Late Arrivals

Attendance at all class sessions is mandatory. This class can only work when everyone attends and participates. Only one unexcused absence will be accepted without penalty. After that, each absence will result in a drop of one letter grade unless a documented excuse is provided (preferably in advance). Please be on time – being more than 5 minutes late to class can be counted as an absence. It is impossible to do well in a discussion-based course such as this one if you are frequently late, absent, or unprepared.

Absences

An absence may be excused if appropriate documentation is provided. The university attendance regulation, including the university definition of excused absences, can be found here:

http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.3.php

Makeup Work

Allowed only if you provide documentation of a university sanctioned excuse. It is the student's responsibility to understand the expectations of the instructor for makeup work.

Academic Integrity

Academic Integrity

Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at

http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php

Academic Honesty

See http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php for a detailed explanation of academic honesty.

Honor Pledge

It is the instructor's understanding and expectation that the submission of any assignment, including exams, means that the student neither gave nor receive unauthorized aid on that exam or assignment. Giving or receiving unauthorized aid may result in an F for this course as well as more severe disciplinary penalties.

Electronically-Hosted Course Components

Students may be required to disclose personally identifiable information to other students in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussions of class topics, and posting of student coursework. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.

Accommodations for Disabilities

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, student must register with the Disability Services Office (<http://www.ncsu.edu/dso>) located at 1900 Student Health Center, Campus Box 7509, 919-515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.1.php.

Non-Discrimination Policy

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at http://www.ncsu.edu/policies/campus_environ or http://www.ncsu.edu/equal_op. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 919-515-3148.

Explaining the Neurobiology of Attention Effects on Learning

(a sample syllabus for LSC 170)

1 Credit Hour

Time TBD

NCSU Life Sciences First Year Program, Spring 2016

Course Description

Topical problems in the life sciences. LSC 170 provides an opportunity for LSFY students to work in a small group setting with a faculty member to explore a topic within the faculty member's area of expertise. Emphasis will be placed on higher order cognitive skills; applying the intellectual standards of critical thinking; active, collaborative learning; and effective communication skills. Topics and instructors will vary from section to section and from semester to semester. Students can repeat LSC 170 as long as the two sections are on different topics.

This section of LSC 170 will involve an exploration of the neurobiological bases of learning and attention. Students will learn some fundamental concepts of neurobiology through a guided inquiry approach and will integrate what they learn about basic neurobiology, attention, and learning and relate it to different learning and teaching strategies. The course format will be discussion and group activities, with students often explaining to each other and to the instructor what they have learned about a particular topic.

Learning Outcomes

After completing this course, students will be able to:

(Bloom's cognitive domains are indicated in parentheses where appropriate.)

1. use information about the neurobiology of attention, sensory processing, and learning to develop hypotheses regarding the role of attention in learning (application and synthesis).
 2. critique the use of specific data in support of a conclusion (analysis and evaluation).
 3. apply an understanding of attention and learning to predict the effectiveness of different learning or teaching strategies (application).
 4. apply the intellectual standards of critical thinking to their own work and to that of others (application).
 5. demonstrate an ability to engage productively in collaborative projects.
 6. communicate the products of their work effectively and appropriately, in both written and spoken formats.
-

Instructor

Dr. Jane Lubischer

Phone: 919-515-2587

Web Page: find more on Dr. L through LinkedIn
find LSC 170 008 at wolfware.ncsu.edu

Email: jane_lubischer@ncsu.edu

Office Hours: TBD in ### Bostian Hall

Course Materials

Short Guide to Writing about Biology, 8th Edition (2013) – Pechenik, approximately \$40

Other reading materials and assignments will be provided on the Moodle course site or in class.

Course Schedule

The course schedule also can be found on the course Moodle site, where relevant readings, assignments, and other materials will also be posted for each week.

Date	Topic	Assignment(s) Due
week 1	Introductions; Pre-Semester Assessment	
2	Questions and resources Intellectual standards reviewed	HW1
3	Neurons and neuronal responses	HW2
4	Primary visual cortex	HW3
5	Response properties	HW4
6	Exam 1	
7	Neurobiology of learning reviewed	HW5
8	Attention and performance	HW6
9	Attention and neuronal responses	HW7
10	Attention and learning Report reports	HW8
11	Exam 2	
12	Learning strategies	HW9
13	Attention and learning	Draft Report and Self-Critique
14	Questions	HW10
15	Reflection	Final Report and Self-Critique
add date	Final Exam	

Academic Integrity

Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found at

http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php

It is the instructors' understanding and expectation that the submission of any assignment, including exams, means that the student neither gave nor received unauthorized aid on that exam or assignment. Giving or receiving unauthorized aid may result in an 'F' for this course as well as more severe disciplinary penalties.

I take seriously my responsibility to provide a fair environment for all students in this course, so all suspected violations of this policy will be reported to the Office of Student Conduct.

Honor Pledge

Your submission of any test or assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."

Grading

This course uses standard NCSU letter grading (out of a total of 250 possible points) as shown below.

$242.5 \leq A+ \leq 250$	$232.5 \leq A < 242.5$	$225 \leq A- < 232.5$
$217.5 \leq B+ < 225$	$207.5 \leq B < 217.5$	$200 \leq B- < 207.5$
$192.5 \leq C+ < 200$	$182.5 \leq C < 192.5$	$175 \leq C- < 182.5$
$167.5 \leq D+ < 175$	$157.5 \leq D < 167.5$	$150 \leq D- < 157.5$
	$F < 150$	

Component	Points (250 total)	% of total grade	Notes
Pre-Semester Assessment	10 pts		Details will be provided during the first class session. Full credit for completion of the assignment.
Attendance	30 pts		One unexcused absence will result in a loss of 10 pts. A second unexcused absence will result in loss of an additional 25 pts. Three absences of any sort can result in failure of the class – in this case, please talk to your instructor as soon as possible.
Homework (HW)	50 pts (~5 pts each)		You will be given details about these assignments in class and on the Moodle site. You can expect homework to be due at each class meeting except the first. This will often take the form of a short Moodle quiz or written assignment. You can miss one homework assignment without penalty.
Exam 1	20 pts		This exam will cover some fundamental principles of neurobiology, sensory processing, and the use of evidence in support of a conclusion.
Exam 2	20 pts		This exam will cover the neurobiology of learning and sensory processing as well as the intellectual standards of critical thinking.
Draft Report with Self-Critique	30 pts		As discussed in class, the report is a group product. Self-critiques will be completed and graded individually.
Final Report with Self-Critique	50 pts		As discussed in class, the report is a group product. Self-critiques will be completed and graded individually.
Final Exam	40 pts		The Final Exam will cover the neurobiology of attention, specifically with regard to how it impacts learning, as well as the intellectual standards of critical thinking, and the use of evidence in support of a conclusion.

Prerequisites and Restrictions

This course is designed for LSFY students. There are no course pre-requisites, but students are expected to have completed or be enrolled in LSC 101, BIO 183, CH 101, and ENG 101 or to have placed out of these courses.

General Education Program (GEP) Information

This course does not fulfill a General Education Program requirement.

Requirements for Credit-Only (S/U) Grading and for Auditors

This course cannot be taken for credit only, nor can it be audited.

Policies on Incomplete Grades

Incomplete grades will be allowed only under exceptional circumstances that are not under your control; detailed arrangements for completion of the required work must be made prior to the end of finals for this semester. It is the student's responsibility to make sure that these arrangements are made with the instructor. The instructor will assign an IN only if these arrangements are made before the end of finals for this semester.

Once an IN is assigned, if an extended deadline is not authorized by the instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at http://www.ncsu.edu/policies/academic_affairs/grades_undergrad/REG02.50.3.php.

Late Assignments and Assignment Re-grades

Make up work for assignments are allowed only if you provide documentation of a university-sanctioned excuse. If you feel an error has been made in grading one of your assignments, return the assignment to the instructor with a written explanation of the error, and the entire assignment will be re-graded – this means that your score may increase, decrease, or stay the same. Applying the intellectual standards of critical thinking in making your case is encouraged. You must submit your request for a re-grade within one week after the assignment is returned to you.

Attendance Policy

Attendance in this course is mandatory and is essential to good performance in the course. This class can only work when everyone attends and participates. See the course components table for penalties. Please be on time -- being more than 5 minutes late to class can be counted as an absence. It is impossible to do well in a participation-based course such as this one if you are frequently late, absent, or unprepared.

University guidelines on excused absences can be found at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.3.php

Moodle Website

A Moodle website will be used to manage the course. You should be able to access it at <http://wolfware.ncsu.edu> as long as you are registered in the course. At this site you can find resources needed for the course, including assignments, additional readings, slides, and other materials from class. There is also a discussion forum (“Questions or Thoughts?”) through which you can post questions and answer questions posted by other students. The Moodle site essentially serves as a continuation of this syllabus (and more), so you should check it out when you are done reviewing the syllabus. The syllabus also can be found, of course, on the Moodle website.

Electronically-Hosted Course Components

Students may be required to disclose personally identifiable information to other students in the course, via electronic tools like email or web-postings, where relevant to the course. Examples include online discussions of class topics and posting of student coursework. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.

Accommodations for Disabilities

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, student must register with the Disability Services Office (<http://www.ncsu.edu/dso>) located at 1900 Student Health Center, Campus Box 7509, 515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.1.php.

Policy on Discrimination

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at http://www.ncsu.edu/policies/campus_environ or http://www.ncsu.edu/equal_op. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office for Equal Opportunity (OEO) at 515-3148.

Supporting Fellow Students in Distress

As members of the NC State Wolfpack community, we each share a personal responsibility to express concern for one another and to ensure that this classroom and the campus as a whole remains a safe environment for learning. Occasionally, you may come across a fellow classmate whose personal behavior concerns or worries you. When this is the case, I would encourage you to report this behavior to the NC State Students of Concern website: <http://studentsofconcern.ncsu.edu/>.

Although you can report anonymously, it is preferred that you share your contact information so they can follow-up with you personally. (from Paul Tonsgri, Student Behavioral Case Manager, 919-515-2944)

Class Evaluations

Online class evaluations will be available for students to complete during the last 2 weeks of the term. Students will receive an email message directing them to a website where they can login using their Unity ID and complete evaluations. All evaluations are confidential; instructors will not know how any one student responded to any question, and students will not know the ratings for any instructors.

Evaluation website: <https://classeval.ncsu.edu/>

Student help desk: classeval@ncsu.edu

More information about ClassEval: <http://www.ncsu.edu/UPA/classeval/>

**N.C. STATE UNIVERSITY
UNDERGRADUATE COURSE ACTION FORM**
Effective September 2008

NOTE: Click shaded fields to type data and click on boxes to check.

DEPARTMENT/PROGRAM	ANIMAL SCIENCE	
COURSE PREFIX/NUMBER	ANS 240	
PREVIOUS PREFIX/NUMBER	TYPE PREVIOUS COURSE/SPECIAL TOPIC PREFIX NUMBER HERE	
COURSE TITLE	LIVESTOCK MERCHANDISING	
ABBREVIATED TITLE	LIVESTOCK MERCHANDISING	
SCHEDULING	Fall <input type="checkbox"/> Spring <input checked="" type="checkbox"/> Summer <input type="checkbox"/> Every Year <input checked="" type="checkbox"/> Alt. Year Odd <input type="checkbox"/> Alt. Year Even <input type="checkbox"/> Other <input type="checkbox"/>	
COURSE DELIVERY CHECK ALL THAT APPLY	ON CAMPUS <input checked="" type="checkbox"/> DISTANCE EDUCATION <input type="checkbox"/> ONLINE <input type="checkbox"/> REMOTE LOCATION <input type="checkbox"/>	
COURSE CREDIT/GRADING	CREDIT HOURS <u>3</u>	GRADING ABCDF <input checked="" type="checkbox"/> S/U <input type="checkbox"/>
CONTACT HOURS <i>See contact/credit hour guidelines for detail.</i>	LECTURE 2 SEMINAR LABORATORY 3 PROBLEM STUDIO INDEPENDENT STUDY RESEARCH INTERNSHIP PRACTICUM FIELD WORK	
IS COURSE REPEATABLE FOR CREDIT?	N	# REPEATS ALLOWED N/A
INSTRUCTOR(S) (NAME/RANK)	GARY GREGORY LECTURER DUAL APPOINTMENT? <input type="checkbox"/>	

ANTICIPATED ENROLLMENT	Per semester <u>40</u> Per section <u> </u> Will multiple sections be offered? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
PREREQUISITE(S)	ANS 150	
COURSE(S) TO BE COMPLETED PRIOR TO ENROLLING	ENFORCE PRE-REQUISITE CHECKING? Yes	
CO-REQUISITE(S)	TYPE REQUIRED CO-REQS HERE	
COURSE(S) TO BE TAKEN CONCURRENTLY WITH THIS COURSE	ENFORCE CO-REQUISITE CHECKING? YES OR NO	
PRE/CO-REQUISITE FOR...	LIST COURSE(S) THAT REQUIRE THIS COURSE AS A PRE/CO-REQUISITE	
RESTRICTIVE STATEMENT (EX: MA AND AMA MAJORS ONLY)	STUDENTS MUST BE JUNIORS OR SENIORS	
COURSE IS REQUIRED FOR:	LIST DEGREE KEY FOR ALL CURRICULA OR IDENTIFY MINOR IN WHICH COURSE IS OR WILL BE REQUIRED	
COURSE IS AN ELECTIVE FOR:	11ANSCBS	
PROPOSED EFFECTIVE DATE 3/15	APPROVED EFFECTIVE DATE	COURSE REVIEW DUE

CATALOG DESCRIPTION: (INCLUDE ANY RESTRICTIVE, TRANSPORTATION, OR FEE STATEMENTS) (100 WORD LIMIT)
This course is designed to acquaint students with different methods for merchandising livestock and with strategies for adding value to products produced from livestock. Students will also learn ways to promote a farming operation. Students will be required to visit Animal Educational Units outside of normal class time and will have to provide their own transportation. Two required events will occur on Saturdays. The animal auction will be held on the 2nd Saturday of April each year and is mandatory. The Open House will be held either one or two Saturdays (will vary depending on the date for the Spring Holiday) prior to the auction and is also mandatory. Course is restricted to Juniors and Seniors.

TYPE OF PROPOSAL	
NEW COURSE	<input type="checkbox"/>
DROP COURSE	<input type="checkbox"/>
REVISE COURSE	<input checked="" type="checkbox"/>
REVISION IN:	
CONTENT	<input type="checkbox"/>
PREFIX/NUMBER	<input type="checkbox"/>
TITLE	<input type="checkbox"/>
ABBREVIATED TITLE	<input type="checkbox"/>
CREDIT HOURS	<input type="checkbox"/>
CONTACT HOURS	<input type="checkbox"/>
GRADING METHOD	<input type="checkbox"/>
SCHEDULING	<input type="checkbox"/>
PRE/CO-REQUISITES	<input checked="" type="checkbox"/>
RESTRICTIVE STATEMENT	<input checked="" type="checkbox"/>
CATALOG DESCRIPTION	<input checked="" type="checkbox"/>
LEARNING OUTCOMES	<input type="checkbox"/>
GEP LEARNING OUTCOMES ONLY	<input type="checkbox"/>
DUAL-LEVEL COURSE	<input type="checkbox"/>
GEP COURSE	<input type="checkbox"/>
CHECK APPLICABLE CATEGORY BELOW:	
HUMANITIES	<input type="checkbox"/>
SOCIAL SCIENCES	<input type="checkbox"/>
MATHEMATICAL SCIENCES	<input type="checkbox"/>
NATURAL SCIENCES	<input type="checkbox"/>
INTERDISCIPLINARY PERSPECTIVES	<input type="checkbox"/>
VISUAL & PERFORMING ARTS	<input type="checkbox"/>
PE/HEALTHY LIVING	<input type="checkbox"/>
GLOBAL KNOWLEDGE CO-REQ	<input type="checkbox"/>
U.S. DIVERSITY CO-REQ	<input type="checkbox"/>
THEMATIC TRACK	<input type="checkbox"/>
DOCUMENTATION AS REQUIRED	
(CHECK ALL THAT APPLY)	
COURSE JUSTIFICATION	<input type="checkbox"/>
PROPOSED REVISION(S) WITH REASONS	<input type="checkbox"/>
ENROLLMENT LAST 5 YEARS	<input type="checkbox"/>
NEW RESOURCES STATEMENT	<input type="checkbox"/>
CONSULTATION WITH DEPARTMENT(S) PROVIDED	<input type="checkbox"/>
SYLLABUS (OLD AND NEW)	<input type="checkbox"/>
GEP CATEGORY OBJECTIVES	<input type="checkbox"/>
GEP STUDENT LEARNING OUTCOMES	<input type="checkbox"/>
MEANS OF ASSESSING GEP OUTCOMES	<input type="checkbox"/>

**SIGNATURE PAGE
ATTACHED**

FOR COURSE ACTION FORM INSTRUCTIONS SEE
[HTTP://WWW.NCSU.EDU/JAP/ACADEMIC-
STANDARDS/COURSES/CRSINST.HTML](http://www.ncsu.edu/jap/academic-standards/courses/crsinst.html)

SIGNATURE PAGE

COURSE ACTION FOR ANS 240

RECOMMENDED BY:

Mr. Todd Lee 2/25/15
 HEAD, DEPARTMENT/PROGRAM DATE

ENDORSED BY:

Jim Flowers 1-23-15
 CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE DATE

Sam Park 1-30-15
 COLLEGE DEAN DATE

APPROVED BY:

 CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE DATE

 CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION DATE

 DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA) DATE

APPROVED EFFECTIVE DATE _____

Course justification for ANS 240 and ANS240A

Justification: A major component of the ANS240 and ANS240A, Livestock Merchandising, is the livestock auction that the class conducts at the end of the semester on a Saturday. In the last revision of the course we neglected to add to the catalog description that there are two required Saturday events that are an important part of the class—the Open House held one or two Saturdays before the auction, and the auction itself. Because these two required events are outside the normal class time, we need to add that important information to the course catalog description so students are aware of this requirement when they register for the course.

Resources: This course is part of the instructor's teaching responsibility, so no new resources are required.

Consultation: No consult is necessary as there are no similar courses offered at the university.

Livestock Merchandising
ANS 240 & ANS 240A

Syllabus for Spring 2015

Welcome to Animal Science 240 (Livestock Merchandising). This course is designed to acquaint students with different methods for merchandising livestock and with strategies for adding value to products produced from livestock. Students will also learn ways to promote a farming operation. Students will be required to visit Animal Educational Units outside of normal class time and will have to provide their own transportation. **Two required events will occur on Saturdays.** The animal auction will be held on the 2nd Saturday of April each year and is mandatory. The Open House will be held either one or two Saturdays (will vary depending on the date for the Spring Holiday) prior to the auction and is also mandatory.

There will be some assignments aimed at improving the student's skills at promoting their product and farm.

LECTURES are on Monday from 1:30 - 3:20 in room 339 Riddick

LAB: Wednesday from 1:30 – 4:15

INSTRUCTOR INFORMATION

Instructor: Gary Gregory
Office: Riddick 463-B
Office Phone: 919-515-4027
Fax: 919-515-6884
E-mail: gary_gregory@ncsu.edu
Mailing Address: Campus Box 7621, Raleigh NC 27695-7621
Office Hours: By request, please contact via phone or e-mail and times will be arranged to best fit your schedule.

COURSE PRE-REQUISITES: Students will be required to have taken ANS 150, PO 101.

RESTRICTIVE STATEMENT: Students must be Juniors, Seniors or 2 year Agricultural Institute.

TEXTBOOK: Livestock Merchandising by Rachel Cuter (ISBN #978-0-615-56124-0 Price \$14.95)

COURSE EXPENSES and TRANSPORTATION: Students will be required to travel to educational units for lab and will need to be able to make arrangements to get to educational units unless otherwise stated. There will also be times when students will be required to meet at educational units outside of class and lab to work with the animals that will be sold.

SAFETY AND RISK ASSUMPTIONS: The University assumes no responsibility for mishaps that occur when traveling to educational units. Students are expected to use safety practices learned in pre-requisite course when working around animals.

ATTENDANCE: Students are expected to be punctual and to attend all lectures. Make-up exams will not be allowed except for **EXCUSED** absences, **and only** if arrangements were made **in advance**. If you wake

up feeling sick and are going to the student health center call your instructor prior to the exam (leave a voice mail message if he is not available). Date and time of Student Health Center notes will be checked. If you have more than one unexcused absence you will be deducted one letter grade for each absence over the one. **All students are required to attend the class sale and open house.**

Please turn cell phone and beeper volumes (all electronic devices) off during lecture.

Obviously, talking, sleeping and reading material not related to class during lecture will not be tolerated and if you repeatedly do so you will be asked to leave the classroom without credit for the day (attendance / quizzes / exams).

Students are expected to be punctual and to attend all classes. Please do not be late and if this becomes a problem for the class, the door may be locked after the lecture begins!

Attendance will be taken for both class and lab. Any person who arrives 5 or more minutes after class begins (without prior approval) and a person who leaves class early (without prior approval) is considered absent and will not be able to "make up quizzes". The roll sheet will be circulated each day in class, and each student must sign his/her own name. **Be sure to sign the roll sheet each day!** If a question arises as to whether or not a student was in class, the roll sheet is the written record that will be consulted.

Excused absences will be granted only for written and certified (please also familiarize yourself with this information at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.3.php):

- a). University duties or trips,
- b). Required court attendance,
- c). Religious observances,
- d). **Verified** illness or injury
- e). Verified death or serious illness in the family (or very close friend). Each of these must have a verified note that is brought to the instructor **within 1 week** of the missed date for them to be considered acceptable! Do not wait until the end of the semester to bring in notes because they will no longer be accepted.

Routine doctor check-ups (follow-up appointments, yearly eye check-up, routine ObGyn, etc.) and dental appointments are **not** an excused absence. They should be scheduled outside of class hours.

ASSIGNMENTS: There will be seven assignments throughout the semester. The due dates are posted on the schedule and should be turned in at the beginning of the class. Ten points will be deducted from the final grade of each assignment for each week that the assignment is late.

PAPER

Students will be required to write a three page paper that will be due April 20. Topic: Thought on the class (What you have learned, how it will help you in your future, Topics keep and remove, other ideas need to cover.

GRADING COMPONENTS:

Attendance 14 classes= (2 points each)	56 pts.
Lab Attendance (14)	56 pts
Assignments and Quizzes (7)= (50 points each)	350 pts.
Class Participation = (200 points)	200 pts.
Paper = (100 points)	100 pts.
Total Points possible:	762 pts.

Numerical to Letter Grade	Numerical to Letter Grade
97 ≤ A+ ≤ 100	77 ≤ C+ < 80

93 ≤ A < 97	73 ≤ C < 77
90 ≤ A- < 93	70 ≤ C- < 73
87 ≤ B+ < 90	67 ≤ D+ < 70
83 ≤ B < 87	63 ≤ D < 67
80 ≤ B- < 87	60 ≤ D- < 63
	0 ≤ F < 60

Instructors do not give grades: you earn your grade. Please do not ask the instructor to change your grade at the end of the semester. Please do not ask to be allowed to do make-up or extra work at the end of the semester. You should work for your grade all semester, not just at the end.

REQUIREMENTS FOR CREDIT ONLY (S/U) GRADING: In order to receive a grade of S, students are required to take all exams, complete all assignments, and earn a grade of C- or better. Conversion from letter grading to credit only (S/U) grading is subject to university deadlines. Refer to the Registration and Records calendar for deadlines related to grading. For more details refer to http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.15.php.

REQUIREMENTS FOR AUDITORS (AU): Information about and requirements for auditing a course can be found at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG205.00.5.php.

POLICIES FOR INCOMPLETE GRADES: If an extended deadline is not authorized by the Instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.50.3.php.

STUDENT LEARNING OUTCOMES:

By the end of this course students should be able to:

1. Describe three different ways to effectively promote a farm using correct Livestock production terminology.
2. Compare and contrast general management practices as they relate to merchandising livestock or their products.
3. Explain how options for merchandising, promoting, and marketing livestock will impact profit or loss from a farming operation.
4. Distinguish where the different cuts of meat are located on particular animals.
5. Explain current topics related to livestock production and merchandising.

ACADEMIC INTEGRITY: Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php. Students are

encouraged to form study groups to work on homework assignments, but copying is not permitted and is a violation of the Honor Pledge. Each student must understand and write the answers in their own words.

ACADEMIC HONESTY: See

http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php for a detailed explanation of academic honesty.

HONOR PLEDGE: Your signature on any test or assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."

ACCOMMODATIONS FOR DISABILITIES: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, a student must register with the Disability Services Office (<http://www.ncsu.edu/dso>) located at 1900 Student Health Center, Campus Box 7509, 515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.1.php.

NON-DISCRIMINATION POLICY: NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at http://www.ncsu.edu/policies/campus_environment or http://www.ncsu.edu/equal_op. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office of Equal Opportunity (OEO) at 515-3148.

ANS 240 & 240A Tentative Class Schedule (Spring 2015)

Class	Date	Subject	Reading	Assignment
1	Jan 12	Introduction, Course Objectives		
2	Jan 19	No Class MLK Day		
3	Jan 26	Advertising & Promotion	Chapter 2,3,4	Promotion
4	Feb 2	Photography & Videos	Chapter 5	Picture Eval.
5	Feb 9	Catalogs, Brochures	Chapter 6	Ad
6	Feb 16	Purebred Sales		
7	Feb 23	Direct Sales		Animal Info
9	Mar 2	Pork & Poultry Industry		Pictures
10	Mar 9	Spring Break		
11	Mar 16	Auction Sales		
12	Mar 23	Added Value Dairy Industry		
13	Mar 28	Open House--SATURDAY		
14	Mar30	Video Auctions, Computer Sales		

15	Apr 6	Practice Sale		
16	Apr 11	Wolfpack Roundup--SATURDAY		
17	Apr 13	Sale Review		
18	Apr 20	Class Review		

ANS 240 & 240A Tentative Lab Schedule (Spring 2015)

Class	Date	Subject
1	Jan 7	No Class
2	Jan 14	Equine Unit, Safety Training
3	Jan 21	Beef Unit, Small Ruminant Unit, Safety Training
4	Jan 28	Work Sale Animals
5	Feb 4	Work Sale Animals
6	Feb 11	Work Sale Animals
7	Feb 18	Work Sale Animals
8	Feb 25	Work Sale Animals
9	Mar 4	Work Sale Animals
10	Mar 11	Spring Break
11	Mar 18	Work Sale Animals
12	Mar 25	Work Sale Animals
13	Mar 28	Open House
14	Apr 1	Work Sale Animals
15	Apr 8	Work Sale Animals
16	Apr 11	Sale
17	Apr 15	No meeting
18	Apr 22	No meeting

**N.C. STATE UNIVERSITY
UNDERGRADUATE COURSE ACTION FORM**

Effective September 2008

NOTE: Click shaded fields to type data and click on boxes to check.

DEPARTMENT/PROGRAM	ANIMAL SCIENCE	
COURSE PREFIX/NUMBER	ANS 240A	
PREVIOUS PREFIX/NUMBER	TYPE PREVIOUS COURSE/SPECIAL TOPIC PREFIX NUMBER HERE	
COURSE TITLE	LIVESTOCK MERCHANDISING	
ABBREVIATED TITLE	LIVESTOCK MERCHANDISING	
SCHEDULING	Fall <input type="checkbox"/> Spring <input checked="" type="checkbox"/> Summer <input type="checkbox"/> Every Year <input checked="" type="checkbox"/> Alt. Year Odd <input type="checkbox"/> Alt. Year Even <input type="checkbox"/> Other <input type="checkbox"/>	
COURSE DELIVERY CHECK ALL THAT APPLY	ON CAMPUS <input checked="" type="checkbox"/> DISTANCE EDUCATION <input type="checkbox"/> ONLINE <input type="checkbox"/> REMOTE LOCATION <input type="checkbox"/>	
COURSE CREDIT/GRADING	CREDIT HOURS <u>3</u>	GRADING ABCDF <input checked="" type="checkbox"/> S/U <input type="checkbox"/>
CONTACT HOURS <i>See contact/credit hour guidelines for detail.</i>	LECTURE 2 SEMINAR LABORATORY 3 PROBLEM STUDIO INDEPENDENT STUDY RESEARCH INTERNSHIP PRACTICUM FIELD WORK	
IS COURSE REPEATABLE FOR CREDIT?	N	# REPEATS ALLOWED N/A
INSTRUCTOR(S) (NAME/RANK)	GARY GREGORY LECTURER DUAL APPOINTMENT? <input type="checkbox"/>	

ANTICIPATED ENROLLMENT	Per semester <u>15</u> Per section <u> </u> Will multiple sections be offered? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
PREREQUISITE(S)	PO 101	
COURSE(S) TO BE COMPLETED PRIOR TO ENROLLING	ENFORCE PRE-REQUISITE CHECKING? Yes	
CO-REQUISITE(S)	TYPE REQUIRED CO-REQS HERE	
COURSE(S) TO BE TAKEN CONCURRENTLY WITH THIS COURSE	ENFORCE CO-REQUISITE CHECKING? YES OR NO	
PRE/CO-REQUISITE FOR...	LIST COURSE(S) THAT REQUIRE THIS COURSE AS A PRE/CO-REQUISITE	
RESTRICTIVE STATEMENT (EX: MA AND AMA MAJORS ONLY)	FOR AGRICULTURAL INSTITUTE STUDENTS ONLY	
COURSE IS REQUIRED FOR:	LIST DEGREE KEY FOR ALL CURRICULA OR IDENTIFY MINOR IN WHICH COURSE IS OR WILL BE REQUIRED	
COURSE IS AN ELECTIVE FOR:	11LPMAAS	
PROPOSED EFFECTIVE DATE 3/15	APPROVED EFFECTIVE DATE	COURSE REVIEW DUE

CATALOG DESCRIPTION: (INCLUDE ANY RESTRICTIVE, TRANSPORTATION, OR FEE STATEMENTS) (100 WORD LIMIT)
This course is designed to acquaint students with different methods for merchandising livestock and with strategies for adding value to products produced from livestock. Students will also learn ways to promote a farming operation. Students will be required to visit Animal Educational Units outside of normal class time and will have to provide their own transportation. Two required events will occur on Saturdays. The animal auction will be held on the 2nd Saturday of April each year and is mandatory. The Open House will be held either one or two Saturdays (will vary depending on the date for the Spring Holiday) prior to the auction and is also mandatory. Course is restricted to Agricultural Institute students.

TYPE OF PROPOSAL	
NEW COURSE	<input type="checkbox"/>
DROP COURSE	<input type="checkbox"/>
REVISE COURSE	<input checked="" type="checkbox"/>
REVISION IN:	
CONTENT	<input type="checkbox"/>
PREFIX/NUMBER	<input type="checkbox"/>
TITLE	<input type="checkbox"/>
ABBREVIATED TITLE	<input type="checkbox"/>
CREDIT HOURS	<input type="checkbox"/>
CONTACT HOURS	<input type="checkbox"/>
GRADING METHOD	<input type="checkbox"/>
SCHEDULING	<input type="checkbox"/>
PRE/CO-REQUISITES	<input checked="" type="checkbox"/>
RESTRICTIVE STATEMENT	<input checked="" type="checkbox"/>
CATALOG DESCRIPTION	<input checked="" type="checkbox"/>
LEARNING OUTCOMES	<input type="checkbox"/>
GEP LEARNING OUTCOMES ONLY	<input type="checkbox"/>
DUAL-LEVEL COURSE	<input type="checkbox"/>
GEP COURSE	<input type="checkbox"/>
CHECK APPLICABLE CATEGORY BELOW:	
HUMANITIES	<input type="checkbox"/>
SOCIAL SCIENCES	<input type="checkbox"/>
MATHEMATICAL SCIENCES	<input type="checkbox"/>
NATURAL SCIENCES	<input type="checkbox"/>
INTERDISCIPLINARY PERSPECTIVES	<input type="checkbox"/>
VISUAL & PERFORMING ARTS	<input type="checkbox"/>
PE/HEALTHY LIVING	<input type="checkbox"/>
GLOBAL KNOWLEDGE CO-REQ	<input type="checkbox"/>
U.S. DIVERSITY CO-REQ	<input type="checkbox"/>
THEMATIC TRACK	<input type="checkbox"/>
DOCUMENTATION AS REQUIRED	
(CHECK ALL THAT APPLY)	
COURSE JUSTIFICATION	<input type="checkbox"/>
PROPOSED REVISION(S) WITH REASONS	<input type="checkbox"/>
ENROLLMENT LAST 5 YEARS	<input type="checkbox"/>
NEW RESOURCES STATEMENT	<input type="checkbox"/>
CONSULTATION WITH DEPARTMENT(S) PROVIDED	<input type="checkbox"/>
SYLLABUS (OLD AND NEW)	<input type="checkbox"/>
GEP CATEGORY OBJECTIVES	<input type="checkbox"/>
GEP STUDENT LEARNING OUTCOMES	<input type="checkbox"/>
MEANS OF ASSESSING GEP OUTCOMES	<input type="checkbox"/>

**SIGNATURE PAGE
ATTACHED**

FOR COURSE ACTION FORM INSTRUCTIONS SEE
[HTTP://WWW.NCSU.EDU/UAP/ACADEMIC-
STANDARDS/COURSES/CRSINST.HTML](http://www.ncsu.edu/uap/academic-standards/courses/crsinst.html)

SIGNATURE PAGE

COURSE ACTION FOR ANS 240A

RECOMMENDED BY:

M. T. H.

1/15/15

HEAD, DEPARTMENT/PROGRAM

DATE

ENDORSED BY:

Jim Flowers

1-23-15

CHAIR, COLLEGE COURSES & CURRICULA COMMITTEE

DATE

Sam R. P.

1-30-15

COLLEGE DEAN

DATE

APPROVED BY:

CHAIR, UNIVERSITY COURSES & CURRICULA COMMITTEE

DATE

CHAIR, COUNCIL ON UNDERGRADUATE EDUCATION

DATE

DEAN, DIVISION OF ACADEMIC AND STUDENT AFFAIRS (DASA)

DATE

APPROVED EFFECTIVE DATE _____

Course justification for ANS 240 and ANS240A

Justification: A major component of the ANS240 and ANS240A, Livestock Merchandising, is the livestock auction that the class conducts at the end of the semester on a Saturday. In the last revision of the course we neglected to add to the catalog description that there are two required Saturday events that are an important part of the class—the Open House held one or two Saturdays before the auction, and the auction itself. Because these two required events are outside the normal class time, we need to add that important information to the course catalog description so students are aware of this requirement when they register for the course.

Resources: This course is part of the instructor's teaching responsibility, so no new resources are required.

Consultation: No consult is necessary as there are no similar courses offered at the university.

Livestock Merchandising
ANS 240 & ANS 240A

Syllabus for Spring 2015

Welcome to Animal Science 240 (Livestock Merchandising). This course is designed to acquaint students with different methods for merchandising livestock and with strategies for adding value to products produced from livestock. Students will also learn ways to promote a farming operation. Students will be required to visit Animal Educational Units outside of normal class time and will have to provide their own transportation. **Two required events will occur on Saturdays.** The animal auction will be held on the 2nd Saturday of April each year and is mandatory. The Open House will be held either one or two Saturdays (will vary depending on the date for the Spring Holiday) prior to the auction and is also mandatory.

There will be some assignments aimed at improving the student's skills at promoting their product and farm.

LECTURES are on Monday from 1:30 - 3:20 in room 339 Riddick

LAB: Wednesday from 1:30 – 4:15

INSTRUCTOR INFORMATION

Instructor: Gary Gregory
Office: Riddick 463-B
Office Phone: 919-515-4027
Fax: 919-515-6884
E-mail: gary_gregory@ncsu.edu
Mailing Address: Campus Box 7621, Raleigh NC 27695-7621
Office Hours: By request, please contact via phone or e-mail and times will be arranged to best fit your schedule.

COURSE PRE-REQUISITES: Students will be required to have taken ANS 150, PO 101.

RESTRICTIVE STATEMENT: Students must be Juniors, Seniors or 2 year Agricultural Institute.

TEXTBOOK: Livestock Merchandising by Rachel Cuter (ISBN #978-0-615-56124-0 Price \$14.95)

COURSE EXPENSES and TRANSPORTATION: Students will be required to travel to educational units for lab and will need to be able to make arrangements to get to educational units unless otherwise stated. There will also be times when students will be required to meet at educational units outside of class and lab to work with the animals that will be sold.

SAFETY AND RISK ASSUMPTIONS: The University assumes no responsibility for mishaps that occur when traveling to educational units. Students are expected to use safety practices learned in pre-requisite course when working around animals.

ATTENDENCE: Students are expected to be punctual and to attend all lectures. Make-up exams will not be allowed except for **EXCUSED** absences, and only if arrangements were made in advance. If you wake

up feeling sick and are going to the student health center call your instructor prior to the exam (leave a voice mail message if he is not available). Date and time of Student Health Center notes will be checked. If you have more than one unexcused absence you will be deducted one letter grade for each absence over the one. **All students are required to attend the class sale and open house.**

Please turn cell phone and beeper volumes (all electronic devices) off during lecture.

Obviously, talking, sleeping and reading material not related to class during lecture will not be tolerated and if you repeatedly do so you will be asked to leave the classroom without credit for the day (attendance / quizzes / exams).

Students are expected to be punctual and to attend all classes. Please do not be late and if this becomes a problem for the class, the door may be locked after the lecture begins!

Attendance will be taken for both class and lab. Any person who arrives 5 or more minutes after class begins (without prior approval) and a person who leaves class early (without prior approval) is considered absent and will not be able to "make up quizzes". The roll sheet will be circulated each day in class, and each student must sign his/her own name. **Be sure to sign the roll sheet each day!** If a question arises as to whether or not a student was in class, the roll sheet is the written record that will be consulted.

Excused absences will be granted only for written and certified (please also familiarize yourself with this information at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REGO2.20.3.php):

- a). University duties or trips,
- b). Required court attendance,
- c). Religious observances,
- d). **Verified** illness or injury
- e). Verified death or serious illness in the family (or very close friend). Each of these must have a verified note that is brought to the instructor **within 1 week** of the missed date for them to be considered acceptable! Do not wait until the end of the semester to bring in notes because they will no longer be accepted.

Routine doctor check-ups (follow-up appointments, yearly eye check-up, routine ObGyn, etc.) and dental appointments are **not** an excused absence. They should be scheduled outside of class hours.

ASSIGNMENTS: There will be seven assignments throughout the semester. The due dates are posted on the schedule and should be turned in at the beginning of the class. Ten points will be deducted from the final grade of each assignment for each week that the assignment is late.

PAPER

Students will be required to write a three page paper that will be due April 20. Topic: Thought on the class (What you have learned, how it will help you in your future, Topics keep and remove, other ideas need to cover.

GRADING COMPONENTS:

Attendance 14 classes= (2 points each)	56 pts.
Lab Attendance (14)	56 pts
Assignments and Quizzes (7)= (50 points each)	350 pts.
Class Participation = (200 points)	200 pts.
Paper = (100 points)	100 pts.
Total Points possible:	762 pts.

Numerical to Letter Grade	Numerical to Letter Grade
97 ≤ A+ < 100	77 ≤ C+ < 80

93 < A < 97	73 < C < 77
90 < A- < 93	70 < C- < 73
87 < B+ < 90	67 < D+ < 70
83 < B < 87	63 < D < 67
80 < B- < 87	60 < D- < 63
	0 < F < 60

Instructors do not give grades: you earn your grade. Please do not ask the instructor to change your grade at the end of the semester. Please do not ask to be allowed to do make-up or extra work at the end of the semester. You should work for your grade all semester, not just at the end.

REQUIREMENTS FOR CREDIT ONLY (S/U) GRADING: In order to receive a grade of S, students are required to take all exams, complete all assignments, and earn a grade of C- or better. Conversion from letter grading to credit only (S/U) grading is subject to university deadlines. Refer to the Registration and Records calendar for deadlines related to grading. For more details refer to http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.15.php.

REQUIREMENTS FOR AUDITORS (AU): Information about and requirements for auditing a course can be found at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG205.00.5.php.

POLICIES FOR INCOMPLETE GRADES: If an extended deadline is not authorized by the instructor or department, an unfinished incomplete grade will automatically change to an F after either (a) the end of the next regular semester in which the student is enrolled (not including summer sessions), or (b) the end of 12 months if the student is not enrolled, whichever is shorter. Incompletes that change to F will count as an attempted course on transcripts. The burden of fulfilling an incomplete grade is the responsibility of the student. The university policy on incomplete grades is located at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.50.3.php.

STUDENT LEARNING OUTCOMES:

By the end of this course students should be able to:

1. Describe three different ways to effectively promote a farm using correct Livestock production terminology.
2. Compare and contrast general management practices as they relate to merchandising livestock or their products.
3. Explain how options for merchandising, promoting, and marketing livestock will impact profit or loss from a farming operation.
4. Distinguish where the different cuts of meat are located on particular animals.
5. Explain current topics related to livestock production and merchandising.

ACADEMIC INTEGRITY: Students are required to comply with the university policy on academic integrity found in the Code of Student Conduct found http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php. Students are

encouraged to form study groups to work on homework assignments, but copying is not permitted and is a violation of the Honor Pledge. Each student must understand and write the answers in their own words.

ACADEMIC HONESTY: See

http://www.ncsu.edu/policies/student_services/student_discipline/POL11.35.1.php for a detailed explanation of academic honesty.

HONOR PLEDGE: Your signature on any test or assignment indicates "I have neither given nor received unauthorized aid on this test or assignment."

ACCOMMODATIONS FOR DISABILITIES: Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of available accommodations, a student must register with the Disability Services Office (<http://www.ncsu.edu/dso>) located at 1900 Student Health Center, Campus Box 7509, 515-7653. For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation at http://www.ncsu.edu/policies/academic_affairs/courses_undergrad/REG02.20.1.php.

NON-DISCRIMINATION POLICY: NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination. Discrimination based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation is a violation of state and federal law and/or NC State University policy and will not be tolerated. Harassment of any person (either in the form of quid pro quo or creation of a hostile environment) based on race, color, religion, creed, sex, national origin, age, disability, veteran status, or sexual orientation also is a violation of state and federal law and/or NC State University policy and will not be tolerated. Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at http://www.ncsu.edu/policies/campus_environ or http://www.ncsu.edu/equal_op. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the Office of Equal Opportunity (OEO) at 515-3148.

ANS 240 & 240A Tentative Class Schedule (Spring 2015)

Class	Date	Subject	Reading	Assignment
1	Jan 12	Introduction, Course Objectives		
2	Jan 19	No Class MLK Day		
3	Jan 26	Advertising & Promotion	Chapter 2,3,4	Promotion
4	Feb 2	Photography & Videos	Chapter 5	Picture Eval.
5	Feb 9	Catalogs, Brochures	Chapter 6	Ad
6	Feb 16	Purebred Sales		
7	Feb 23	Direct Sales		Animal Info
9	Mar 2	Pork & Poultry Industry		Pictures
10	Mar 9	Spring Break		
11	Mar 16	Auction Sales		
12	Mar 23	Added Value Dairy Industry		
13	Mar 28	Open House--SATURDAY		
14	Mar30	Video Auctions, Computer Sales		

15	Apr 6	Practice Sale		
16	Apr 11	Wolfpack Roundup--SATURDAY		
17	Apr 13	Sale Review		
18	Apr 20	Class Review		

ANS 240 & 240A Tentative Lab Schedule (Spring 2015)

Class	Date	Subject
1	Jan 7	No Class
2	Jan 14	Equine Unit, Safety Training
3	Jan 21	Beef Unit, Small Ruminant Unit, Safety Training
4	Jan 28	Work Sale Animals
5	Feb 4	Work Sale Animals
6	Feb 11	Work Sale Animals
7	Feb 18	Work Sale Animals
8	Feb 25	Work Sale Animals
9	Mar 4	Work Sale Animals
10	Mar 11	Spring Break
11	Mar 18	Work Sale Animals
12	Mar 25	Work Sale Animals
13	Mar 28	Open House
14	Apr 1	Work Sale Animals
15	Apr 8	Work Sale Animals
16	Apr 11	Sale
17	Apr 15	No meeting
18	Apr 22	No meeting

208 Mann Hall / 2501 Stinson Drive
Campus Box 7908
Raleigh, NC 27695-7908

919.515.2331 Phone
919.515.7908 Fax
www.ce.ncsu.edu

MEMORANDUM

Date: 2 February 2015

To: Dr. David Auerbach, Chair, University Courses and Curricula Committee

From: Dr. Morton Barlaz, Head, Department of Civil, Construction, and Environmental Engineering

Re: Revision of an existing degree (plan) title and SIP Code ; and existing concentration (sub-plan) SIP Codes

Current CIP Code: 14.3301 (Construction Engineering)

Current degree (plan) title: Construction Engineering and Management

Current SIS Code: 14CEMBS

Proposed new degree (plan) title: Construction Engineering

Proposed new SIS Code: 14CNEBS

Current concentration (sub-plan) title: General Construction Concentration

Current SIS Code: 14CEMGEN

Proposed new SIS Code: 14CNEGEN

Current concentration (sub-plan) title: Mechanical Construction Concentration

Current SIS Code: 14CEMMEC

Proposed new SIS Code: 14CNEMEC

Justification for Change:

Based on a change announced by ABET in Fall 2014, our *Construction Engineering and Management* degree program would have to undergo two separate and distinct accreditation reviews. One review to show that our program meets the standards for Construction Engineering and a second to show that our program meets the standards for Construction Management. The criteria for each are sufficiently different that meeting both simultaneously is difficult given the constraints of the criteria and limitations on the number of hours in UNC System degree programs. Engineering accreditation is essential since it is a pre-requisite to licensure as a Professional Engineer. Departmental faculty have considered alternatives and have decided that renaming the degree to ***Construction Engineering*** best advances the goals of the program. Additionally, the name change will further distinguish the engineering emphasis of our degree program from Construction Management degrees offered at other institutions.

The current CIP Code title and definition remains valid and is not affected by the proposed new degree title. Since the classification of the program is unchanged, the existing CIP Code (14.3301) should remain the same.

The proposed new degree title does not affect any other programs or departments. Similarly, no curriculum changes are required and as such, there is no impact on students in the current program.

The proposed effective date is May 1, 2015.

North Carolina State University

This request to establish or discontinue a New Undergraduate Degree or University Certificate Program or Change the Title for an Existing Degree/Certificate Program has been reviewed and approved by the appropriate campus committees and authorities.

BS in Construction Engineering Title of Degree/Certificate

Endorsed By:



Feb. 2, 2015

Head, Department/Program

Date

Recommended By:

Chair, College Curriculum Committee

Date

Endorsed By:

College Dean

Date

Recommended By:

Vice Provost, DELTA (if DE degree/certificate)

Date

Recommended By:

Chair, University Courses & Curricula Committee

Date

Approved By:

Dean, Division of Academic and Student Affairs (DASA)

Date

Recommended By:

Dean's Council

Date

Approved By:

Provost

Date

Approved By:

Chancellor

Date