

Delta State University
College of Education
Division of Family and Consumer Sciences

FCS 306
Fall 2011

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Course Designation

FCS 306 Experimental Foods. Experimental approach to study of physical and chemical properties of foods; recipe development, modification, and evaluation; food safety and technology; biotechnology and sensory evaluation. **Prerequisites:** FCS 102, CHE 101, and CHE 102

Course Objectives:

The student will be able:

1. To identify changes in food resulting from food preparation and processing procedures and explain these changes based on knowledge of reactions and interactions of the chemical constituents of the food product.
2. To understand the functions of major food ingredients in food systems.
3. To evaluate the quality of food products using both organoleptic and objective methods of analysis.
4. To understand effect of variations in preparation and/or ingredients on food quality.
5. To modify a recipe to develop a product appropriate for an individual or group with special dietary needs.
6. To practice good sanitation and food safety.
7. To investigate the impact of biotechnology on the food supply.

Text:

McWilliams, M.. (2008). *Foods Experimental Perspectives*. (6th edition) Upper Saddle River, NJ. Pearson Prentice Hall.

Grade Chart: (tentative)

3 tests @ 100 points each	300
Labs (10@ 25 pts)	250*
Class Activities/Participation	100
Food Research Project	150
Final Exam	<u>100</u>
	900

*This number may vary but all labs will be worth 25 points each. The final average will be computed by dividing the number of points earned by the number of points possible.

University Grading Scale

A	94-100
B	84-93
C	74-83
D	65-73
F	below 65

Attendance Policy:

- Class attendance is required and expected. University policy will be followed in determining a student's eligibility to pass the course as related to absences (total of both excused and unexcused absences).
- Three tardies or early departures constitute one absence.
- Excused absences should be cleared with the instructor in advance whenever possible.
- Absences will reduce the potential points for class participation and the maximum grade that a student can receive for the course. One cannot participate in a class if he/she is absent.

Policy Statement for Written Assignments

The teaching of writing as a subject matter is the responsibility of the Department of English; however, the Division of Family and Consumer Sciences advocates that evaluations are appropriate for all courses. The Division consequently expects that students will construct writings that are grammatically accurate, appropriately organized, specifically developed and correctly spelled. All written assignments must be completed using appropriate software.

General Information

- Labs or group work cannot be made up
- No make-up work is allowed for unexcused absences
- Make-up work will be due within a week of the excused absences unless other arrangements are made in advance. The student is responsible for obtaining all make-up work, handouts and/or notes missed.
- All students must have a Blackboard ID. If there is difficulty accessing Blackboard, the help desk must be contacted before the first assignment is due.
- Assignments are due at the beginning of the class period on the due date. Assignments turned in after that time are late. Points will be deducted from late assignments. Assignments to be turned in through Blackboard must be turned in by the beginning of the class period for which they are assigned. It is the responsibility of the student to be sure that he/she can access Blackboard before the first assignment is due.
- It is the responsibility of the student to schedule make-up quizzes with the instructor and the secretary for excused absences within one week of an absence. If the student does not appear at the agreed upon time, and does not notify the secretary that he/she will not appear, another time will not be scheduled.
- Students should attend to any needs that can be anticipated during the class period **prior to coming to class.**
- Cell phones and pagers must be turned off during class. If an emergency call is expected, special arrangements can be made with the instructor at the beginning of the class.
- Prior to leaving the room during a test, the instructor or proctor must be notified. Students will be allowed to leave only if a true emergency exists.

University Policy on Cheating and Plagiarism

Cheating and plagiarism are not to be tolerated. If it is established beyond a reasonable doubt that a violation has occurred, instructors may determine the penalty, or may report the offense to the division/department chair and dean of their school. The usual penalty involves the grade of zero on the test, examination or paper in question. If cheating or plagiarism is suspected, but not established beyond a reasonable doubt, the instructor may require the student to take another test or submit another paper. A second offense by any student should be reported immediately for more stringent action.

Accommodation of Disabilities

It is the responsibility of students who have professionally diagnosed disabilities to notify the instructor so that necessary and/or appropriate modifications can be made to meet any special needs.

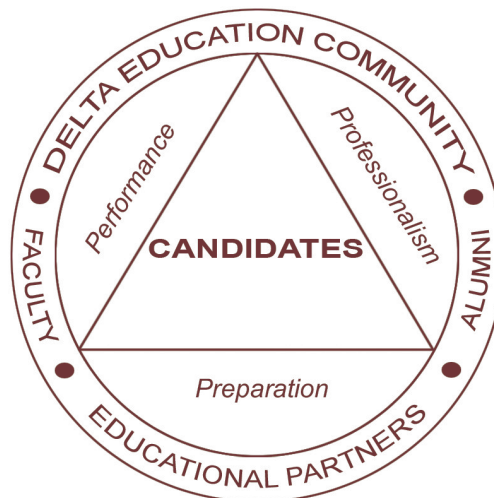
“Delta State University is committed to a policy of equal employment and educational opportunity. Delta State University does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. This policy extends to all programs and activities supported by the University.”

Reference List

- Charley, J.& Weaver C. (1998) *Foods a scientific approach* (3rd edition). Upper Saddle River, New Jersey: Prentice-Hall.
- Jamesen, K. (1998) *Food science laboratory manual* (5th edition) Upper Saddle River, NJ. Prentice Hall.
- Labensky, S.R. & Hause, A.M. (1999) *On cooking* (2nd edition). Upper Saddle River, New Jersey: Prentice-Hall.
- Largen, V.& Bence, D. (2004) *Guide to good food* (8th edition). Tinley Park, Illinois: The Goodheart-Willcox Company, Inc.
- Bennion, M. & Scheule, B. (2004) *Introductory Foods* (12th edition). Upper Saddle River, New Jersey: Pearson Prentice-Hall.

Delta State University College of Education Conceptual Framework

DELTA P³ MODEL



Vision: The Delta State University College of Education promotes a vibrant educational community committed to preparing capable and confident candidates who can positively affect learning outcomes of students in the P-12 school setting. Appropriately illustrated by the Delta triangle, the model reflects candidate development through the triad of preparation, performance and professionalism, supported by the greater Delta educational community (faculty, educational partners, and alumni).

Guiding Principles:

1. **Education is a lifelong endeavor**, requiring an ever-expanding content knowledge base, a repertoire of skills, and a broad experience base. (GP1)
2. **Education is interactive and reflective**, a process that is accomplished through assessment and reflection of a collaborative nature. (GP2)
3. **Education is culturally contextualized**, requiring both an understanding and appreciation of the diversity of all individuals within the learning community. (GP3)
4. **Education is dynamic**, with change being driven by assessment data and the needs of all segments of the educational community. (GP4)
5. **Education is enhanced by technology**, infused throughout programs and services. (GP5)