

**FDSC 1011 – Food Science Orientation - Fall 2002**

Coordinator: Professor Ron Buescher

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**Catalog Description:** Introduces food science as a unique program offering exciting career opportunities. This course emphasizes the importance of science in processing and preservation of food and discusses current topics and issues. Provides sound basic information on food constituents, additives, labeling, environmental issues, food regulations, and food safety. Lecture/discussions 2 hours per week.

**Course Outcomes/Expectations:**

- Achieve understanding and appreciation of Food Science.
- Become familiar with Food Science faculty and Department.
- Develop knowledge of current issues associated with food.
- Become familiar with Food Science career opportunities and preparation requirements.

**Class Schedule and Topics – 11:00–11:50 T R Poultry Science Building Room 133**

<u>Date</u>	<u>TentativeTopic</u>	<u>Professor</u>
October 17	Orientation to Food Science	Buescher
22	Importance of Food Science in Food Manufacturing	Seideman
24	Field Trip – Pinnacle Foods	Watson/Buescher
29	Food Safety: Hysteria about <i>Listeria</i> and Other Bad Bugs in Foods	Johnson
31	Secrets and Challenging Problems Associated With Protecting Quality of Perishable Foods	Buescher
November 5	Grapes and Wine – UA Program	Morris
7	Cereal Processing-Rice, the Most Important Food Crop in Arkansas	Siebenmorgen
12	Application of Food Carbohydrates in Foods	Wang
14	Wonders of Food Proteins	Hettiarachchy
19	The Politics of Food: A Legal Perspective	Proctor
21	Food Irradiation, Do We Have a Choice?	Crandall
26	Foods that Fight Chronic Disease	Howard
28	Holiday – Thanksgiving	
December 3	Fresher Under Pressure: Novel Processing and Packaging Technologies	Yang
5	Role of Food Sensory Testing in Product Development and Quality Maintenance	Meullenet
10	Review	Buescher
12	Final (12:30-2:30)	

Grades: A=90-100; B=80-89; C=70-79; D=60-69

Requirements: Class participation and assignments.