FOS 3042 – INTRODUCTORY FOOD SCIENCE

Spring 2019
3 Credit Hours
Sections 139H & 0389

Instructor: Dr. Asli Odabasi

Office Location: Building 120, Room 130A

Email: asli@ufl.edu (Please use “Mail” function in Canvas for FOS3042 when possible)

T.A.: Alan Gutierrez (alan.gutierrez@ufl.edu)
       Yanli Jiao (y.jiao@ufl.edu)
       Devanshu Mehta (devanshumehta@ufl.edu)
       Chris Pabst (chris.pabst@ufl.edu)

All our T.A.s are on Canvas Mail.

Textbook: The textbook listed for the course (Potter, 1995 ISBN: 0412064510) is an optional resource. Students who prefer to refer to a book in addition to course lectures and slides may use this title occasionally.


Two other titles we will make use of this semester are cited below. Several chapters of these books are required reading and the links to these chapters are under the relevant module on Canvas course website. UF Libraries have electronic copies (TX355 .H288 2008 and TX 791) of this book both of which are both available to UF students. For off-campus access to the chapters from these books, you will need to use a VPN connection. Instructions for downloading the required VPN software is posted under “Announcements” on course page on Canvas.


Course Description: Introductory Food Science is a comprehensive course providing introductory knowledge of food chemistry, food laws, food processing & preservation, food microbiology & fermentation, food safety, and food engineering.

Course Objectives: Provide a comprehensive overview of food science and technology; define and examine the differences between food constituents; identify reasons behind food deterioration and spoilage; introduce food laws and regulations; gain a basic understanding of methods used to preserve foods; and to review basic food processing and preservation techniques.

Course Schedule: This course is delivered completely online. Therefore, all students are required to view and study the course content at http://elearning.ufl.edu/. Course content includes video lectures, slide presentations, additional videos and a selection of chapters (reading assignments) from the books by Hartel and Hartel (cited above). The students are also required to complete the assessments (assignment, quiz and/or exam) during the course of the week (Saturday to Friday) based on the schedule below.
WEEK 1 – JAN 7 THROUGH JAN 11
View Course Introduction, Syllabus
Complete Quiz 1
**ASSIGNMENT 1 OPENS JAN 7**

WEEK 2 – JAN 12 THROUGH JAN 18
View Module 1 – Introduction to Food Science
View Module 2 – Food Categories & Composition
Complete Quiz 2

WEEK 3 – JAN 19 THROUGH JAN 25
*January 21 is Martin Luther King Day*
View Module 3 – Human Nutrition & Food
View Module 4 – Water & Acids
Complete Quiz 3
**ASSIGNMENT 1 IS DUE JAN 25**

WEEK 4 – JAN 26 THROUGH FEB 1
View Module 5 – Carbohydrates, Lipids, & Proteins
View Module 6 – Color, Flavor, & Texture
Complete Quiz 4

WEEK 5 – FEB 2 THROUGH FEB 8
Complete Exam 1

WEEK 6 – FEB 9 THROUGH FEB 15
View Module 7 – Food Regulation and Labeling
Complete Quiz 5
**ASSIGNMENT 2 OPENS FEB 9**

WEEK 7 – FEB 16 THROUGH FEB 22
View Module 8i – Food Processing-Introduction
View Module 8 – Thermal Processing
View Module 9 – Refrigeration & Freezing
Complete Quiz 6

WEEK 8 – FEB 23 THROUGH MAR 1
View Module 10 – Dehydration & Concentration
View Module 11 – Poultry & Eggs
Complete Quiz 7

**SPRING BREAK – MAR 2 THROUGH MAR 8**

WEEK 9 – MAR 9 THROUGH MAR 15
Complete Exam 2
**ASSIGNMENT 2 IS DUE MAR 15**

WEEK 10 – MAR 16 THROUGH MAR 22
View Module 12 – Red Meat & Fish
View Module 13 – Fats & Oils
Complete Quiz 8
**ASSIGNMENT 3 OPENS MAR 16**
WEEK 11 – MAR 23 THROUGH MAR 29
Module 14 – Beverages
Complete Quiz 9
**ASSIGNMENT 3 IS DUE MAR 29**

WEEK 12 – MAR 30 THROUGH APR 5
Complete Exam 3

WEEK 13 – APR 6 THROUGH APR 12
View Module 15 – Deterioration, Spoilage, and Fermentations
View Module 16 – Food Safety
Complete Quiz 10

WEEK 14 – APR 13 THROUGH APR 19
Complete Exam 4

WEEK 15 – APR 20 THROUGH APR 29
Complete Quiz 11 (Cumulative)
Complete Final Exam (Cumulative)

**Assignments:** Assignments, as described on the course webpage at elearning.ufl.edu, is due **JANUARY 25, MARCH 15 & MARCH 29** and should be submitted as directed; no late assignments will be accepted without a documented official excuse.

**Examinations:** 4 EXAMS (Drop Lowest), 11 QUIZZES (Drop Lowest), and a FINAL EXAM

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Modules Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiz 1</td>
<td>Module 0- Course Introduction</td>
</tr>
<tr>
<td>Quiz 2</td>
<td>Module 1, Module 2</td>
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<tr>
<td>Quiz 3</td>
<td>Module 3, Module 4</td>
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<tr>
<td>Quiz 4</td>
<td>Module 5, Module 6</td>
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<td>Exam 1</td>
<td>Modules 1-6</td>
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<tr>
<td>Quiz 5</td>
<td>Module 7</td>
</tr>
<tr>
<td>Quiz 6</td>
<td>Module 8i, Module 8, Module 9</td>
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<tr>
<td>Quiz 7</td>
<td>Module 10, Module 11</td>
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<tr>
<td>Exam 2</td>
<td>Modules 7-11</td>
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<tr>
<td>Quiz 8</td>
<td>Module 12, Module 13</td>
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<td>Quiz 9</td>
<td>Module 14</td>
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<tr>
<td>Exam 3</td>
<td>Modules 12-14</td>
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<tr>
<td>Quiz 10</td>
<td>Module 15, Module 16</td>
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<tr>
<td>Exam 4</td>
<td>Modules 15-16</td>
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<tr>
<td>Quiz 11</td>
<td>Modules 1-16</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Modules 1-16</td>
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- Each EXAM will be 20 multiple choice questions, worth 1 point each. **EXAMS will open on Saturday at midnight and close the following Friday at 11:59PM. Lowest EXAM score will be automatically dropped from grade calculation.** EXAMS are timed (26 minutes each).
• Each QUIZ will be 5 multiple choice questions, worth 1 point each. QUIZZES will open on Saturday at midnight and close the following Friday at 11:59PM (Except for the last quiz (Quiz 11), which will close on Monday). Lowest QUIZ score will be automatically dropped from grade calculation. QUIZZES are timed (7 minutes each).

• The FINAL EXAM is cumulative, required, and will be 30 multiple choice questions, worth 1 point each. The FINAL EXAM will open on April 20 at midnight and close on Monday April 29, at 11:59PM. The FINAL EXAM is timed (40 minutes).

Grading:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Points</th>
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<tbody>
<tr>
<td>Quizzes (11 quizzes, 1 dropped)</td>
<td>50</td>
</tr>
<tr>
<td>Exams (4 exams, 1 dropped)</td>
<td>60</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30</td>
</tr>
<tr>
<td>Assignments</td>
<td>60</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
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<table>
<thead>
<tr>
<th>Total point grade equivalents</th>
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<tbody>
<tr>
<td>A</td>
<td>186 to 200 points</td>
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<tr>
<td>A-</td>
<td>180 to 186 points</td>
</tr>
<tr>
<td>B+</td>
<td>174 to 180 points</td>
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<tr>
<td>B</td>
<td>166 to 174 points</td>
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<tr>
<td>B-</td>
<td>160 to 166 points</td>
</tr>
<tr>
<td>C+</td>
<td>154 to 160 points</td>
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<tr>
<td>C</td>
<td>146 to 154 points</td>
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<tr>
<td>C-</td>
<td>140 to 146 points</td>
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<tr>
<td>D+</td>
<td>134 to 140 points</td>
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<tr>
<td>D</td>
<td>126 to 134 points</td>
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<tr>
<td>D-</td>
<td>120 to 126 points</td>
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<tr>
<td>E</td>
<td>Below 120</td>
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Class Rules

Instructor or TA will answer email delivered through the “Mail” function in Canvas / e-learning every Monday, Tuesday, Wednesday, and Thursday afternoon. Under special or emergency circumstances, please email Dr. Odabasi at asli@ufl.edu.

Each online distance learning program has a process for, and will make every attempt to resolve, student complaints within its academic and administrative departments at the program level. See http://distance.ufl.edu/student-complaints for more details.
Grades and Grade Points  For information on current UF policies for assigning grade points, see:  
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Absences and Make-Up Work  
The students have one full week to take the exams. Make-ups will only be considered for medical excuses with proper documentation, e.g. a note from the doctor’s office.  
Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at:  
https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx

Course Evaluation Process  
Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu.

Academic Honesty  
UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code (http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obliged to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TA in this class.

Software Use  
All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources  
Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university’s counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.
University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575,
www.counseling.ufl.edu/cwc/
Counseling Services
Groups and Workshops
Outreach and Consultation
Self-Help Library
Wellness Coaching

U Matter We Care, www.umatter.ufl.edu

Career Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/

Services for Students with Disabilities
The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

https://www.dso.ufl.edu/drc
001 Reid Hall, 352-392-8565