FOS 3042 – INTRODUCTORY FOOD SCIENCE

Fall 2019
3 Credit Hours
Sections 06A7 & 3A74

Instructor: Dr. Aslı Odabashi
Office Location: Building 120, Room 130A
Email: asli@ufl.edu (Please use “Mail” function in Canvas for FOS3042 when possible)
Office Hours: 11AM-12PM Wednesday.
This is the formal office hour. You are always welcome to contact me through Canvas to schedule a meeting any time and any day, Monday through Friday.

T.A.: TBD

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 – AUG 20 THROUGH AUG 23
   View Course Introduction, Syllabus
   Complete Quiz 1
   **ASSIGNMENT 1 OPENS AUG 20**

WEEK 2 – AUG 24 THROUGH AUG 30
   View Module 1 – Introduction to Food Science
   View Module 2 – Food Categories & Composition
   Complete Quiz 2

WEEK 3 – AUG 31 THROUGH SEP 6
   **Sep 2 is Labor Day**
   View Module 3 – Human Nutrition & Food
   View Module 4 – Water & Acids
   Complete Quiz 3
   **ASSIGNMENT 1 IS DUE SEP 6**

WEEK 4 – SEP 7 THROUGH SEP 13
   View Module 5 – Carbohydrates, Lipids, & Proteins
   View Module 6 – Color, Flavor, & Texture
   Complete Quiz 4

WEEK 5 – SEP 14 THROUGH SEP 20
   Complete Exam 1

WEEK 6 – SEP 21 THROUGH SEP 27
   View Module 7 – Food Regulation and Labeling
   Complete Quiz 5
   **ASSIGNMENT 2 OPENS SEP 21**

WEEK 7 – SEP 28 THROUGH OCT 4
   **Oct 4 is Homecoming Day**
   View Module 8i – Food Processing-Introduction
   View Module 8 – Thermal Processing
   View Module 9 – Refrigeration & Freezing
   Complete Quiz 6

WEEK 8 – OCT 5 THROUGH OCT 11
   View Module 10 – Dehydration & Concentration
   View Module 11 – Poultry & Eggs
   Complete Quiz 7
WEEK 9 – OCT 12 THROUGH OCT 18
Complete Exam 2

ASSIGNMENT 2 IS DUE OCT 18

WEEK 10 – OCT 19 THROUGH OCT 25
View Module 12 – Red Meat & Fish
View Module 13 – Fats & Oils
Complete Quiz 8

ASSIGNMENT 3 OPENS OCT 19

WEEK 11 – OCT 26 THROUGH NOV 1
Module 14 – Beverages
Complete Quiz 9

ASSIGNMENT 3 IS DUE NOV 1

WEEK 12 – NOV 2 THROUGH NOV 8
Complete Exam 3

WEEK 13 – NOV 9 THROUGH NOV 15
Nov 11 is Veterans Day
View Module 15 – Deterioration, Spoilage, and Fermentations
View Module 16 – Food Safety
Complete Quiz 10

WEEK 14 – NOV 16 THROUGH NOV 22
Complete Exam 4

WEEK 15 – NOV 23 THROUGH NOV 29
THANKSGIVING WEEK

WEEK 16 – NOV 30 THROUGH DEC 9
Complete Quiz 11 (Cumulative)
Complete Final Exam (Cumulative)

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.

This course is delivered completely online. The students are required to view all video lectures and complete the assignments on the course website on Canvas.

It is the student’s responsibility to have a compatible operating system and a reliable internet connection. The proctoring service used in this course (Honorlock) requires Google Chrome. Therefore, when taking exams the students need to use Google Chrome. UF computer labs on-campus (https://labs.at.ufl.edu/ComputerLabs.php) provide an alternative if you are concerned about your computer and/or your internet connection.

Exams are timed and proctored (HonorLock). The clock is on the UF Server and once you begin it continues to run even if your system crashes, so try logging back in and
call UF Help Desk at (352) 392-4357 for help. UF Help Desk is available 24/7 for your questions and issues related to Canvas, connectivity and GatorLink accounts, etc.

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.

Assignments: Assignments, as described on the course webpage at elearning.ufl.edu, is due SEPTEMBER 6, OCTOBER 18 & NOVEMBER 1 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

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 11:59:00 PM. 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 11:59:00 PM (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 November 30 at midnight and close on Monday December 9, at 11:59:00 PM. The FINAL EXAM is timed (40 minutes).

<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>
</tr>
<tr>
<td>Quiz 3</td>
<td>Module 3, Module 4</td>
</tr>
<tr>
<td>Quiz 4</td>
<td>Module 5, Module 6</td>
</tr>
<tr>
<td>Exam 1</td>
<td>Modules 1-6</td>
</tr>
<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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<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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<tr>
<td>Quiz 9</td>
<td>Module 14</td>
</tr>
<tr>
<td>Exam 3</td>
<td>Modules 12-14</td>
</tr>
<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>
</tr>
<tr>
<td>Quiz 11</td>
<td>Modules 1-16</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Modules 1-16</td>
</tr>
</tbody>
</table>
**Online Proctoring:** Honorlock will proctor your exams (Exams 1, 2, 3, 4, and the Final Exam) this semester. You DO NOT need to create an account, download software or schedule an appointment in advance. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection.

To get started, you will need Google Chrome and to download the Honorlock Chrome Extension. You can download the extension at [www.honorlock.com/extension/install](http://www.honorlock.com/extension/install)

When you are ready to take your exam, log into Canvas, go to your course, and click on the exam. Clicking "Launch Proctoring" will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it is on a secondary device. *You will be allowed to use the course content on Canvas, since the exams are open note exams.*

Honorlock support is available 24/7/365. If you encounter any issues, you may contact them by live chat, phone (855-828-4004), and/or email (support@honorlock.com).

### Grading

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Points</th>
</tr>
</thead>
<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>
</tr>
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**Total point grade equivalents**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>186 to 200 points</td>
</tr>
<tr>
<td>A-</td>
<td>180 to 186 points</td>
</tr>
<tr>
<td>B+</td>
<td>174 to 180 points</td>
</tr>
<tr>
<td>B</td>
<td>166 to 174 points</td>
</tr>
<tr>
<td>B-</td>
<td>160 to 166 points</td>
</tr>
<tr>
<td>C+</td>
<td>154 to 160 points</td>
</tr>
<tr>
<td>C</td>
<td>146 to 154 points</td>
</tr>
<tr>
<td>C-</td>
<td>140 to 146 points</td>
</tr>
<tr>
<td>D+</td>
<td>134 to 140 points</td>
</tr>
<tr>
<td>D</td>
<td>126 to 134 points</td>
</tr>
<tr>
<td>D-</td>
<td>120 to 126 points</td>
</tr>
<tr>
<td>E</td>
<td>Below 120</td>
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</tbody>
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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 professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/.

Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/ Summaries of course evaluation results are available to students at https://gatorevals.aa.ufl.edu/public-results

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.
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 with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

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