FOS 3042 – INTRODUCTORY FOOD SCIENCE

Summer A 2017
3 Credit Hours
Sections 0152 & 0194 & 03H7

Instructor: Dr. Asli Odabasi
Office Location: Building 120, Room 130A
Office Phone: (352) 294-3596
Email: asli@ufl.edu (Please use “Mail” function in Canvas for FOS3042 when possible)
T.A.: Brittany Hubbard (assignment) and Sean Kryger (all other questions). Both of our TA’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.


Another title we will make use of this semester is cited below. Several chapters of this book are required reading and the links to these chapters are on course page on Canvas. UF Libraries have an electronic copy (TX355 .H288 2008) of this book which is available to UF students. For off-campus access to the chapters from this book, 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, food toxicology, 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 and a selection of chapters (reading assignments) from the book Food Bites by Hartel and Hartel (2008). The students are also required to complete the assessments (assignment, quiz and/or exam) during the course of the week based on schedule below.
WEEK 1 – MAY 8\textsuperscript{TH} THRU MAY 12\textsuperscript{TH}
- View Course Introduction, Syllabus
- Complete Quiz 1
- View Module 1 – Introduction to Food Science
- View Module 2 – Food Categories & Composition
- Complete Quiz 2

**ASSIGNMENT OPENS MAY 8\textsuperscript{TH}**

WEEK 2 – MAY 13\textsuperscript{TH} THRU MAY 19\textsuperscript{TH}
- View Module 3 – Human Nutrition & Food
- View Module 4 – Water & Acids
- Complete Quiz 3
- View Module 5 – Carbohydrates, Lipids, & Proteins
- View Module 6 – Color, Flavor, & Texture
- Complete Quiz 4
- Complete Exam 1

**ASSIGNMENT IS DUE MAY 19\textsuperscript{TH}**

WEEK 3 – MAY 20\textsuperscript{TH} THRU MAY 26\textsuperscript{TH}
- View Module 7 – Food Regulation and Labeling
- Complete Quiz 5
- View Module 8i – Food Processing-Introduction
- View Module 8 – Heat
- View Module 9 – Refrigeration & Freezing
- Complete Quiz 6
- View Module 10 - Dehydration & Concentration
- View Module 11 - Eggs & Poultry
- Complete Quiz 7
- Complete Exam 2

WEEK 4 – MAY 27\textsuperscript{TH} THRU JUNE 2\textsuperscript{ND}
- View Module 12 – Red Meat & Fish
- View Module 13 – Fats & Oils
- Complete Quiz 8
- Module 14 – Beverages
- Complete Quiz 9
- Complete Exam 3

WEEK 5- JUNE 3\textsuperscript{RD} THRU JUNE 9\textsuperscript{TH}
- View Module 15 – Deterioration, Preservation, and Fermentations
- View Module 16 – Food Safety
- Complete Quiz 10
- Complete Exam 4

WEEK 6- JUNE 10\textsuperscript{TH} THRU JUNE 14\textsuperscript{TH}
- Complete Quiz 11 (Cumulative)
- Complete Final Exam (Cumulative)

**THE DEADLINE IS WEDNESDAY**
Assignment: Assignment, as described on the course webpage at elearning.ufl.edu, is due May 19th, and should be submitted as directed; no late assignments will be accepted without an official excuse. Assignment is worth 20 points.

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

Quizzes and exams are open book / open note and are timed. Four (4) EXAMS, a mandatory, cumulative FINAL EXAM, and 11 QUIZZES will cover the following modules:

<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>
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<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>
</tr>
<tr>
<td>Quiz 7</td>
<td>Module 10, Module 11</td>
</tr>
<tr>
<td>Exam 2</td>
<td>Modules 7-11</td>
</tr>
<tr>
<td>Quiz 8</td>
<td>Module 12, Module 13</td>
</tr>
<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>
</tr>
<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>

- Each EXAM will be 25 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 (30 minutes each).

- Each QUIZ will be 8 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 Wednesday, June 14th). Lowest QUIZ score will be automatically dropped from grade calculation. QUIZZES are timed (10 minutes each).

- The FINAL EXAM is cumulative, required, and will be 50 multiple choice questions, worth 0.5 points each. The FINAL EXAM will open on June 10th at midnight and close on Wednesday, June 14th, at 11:59PM. The FINAL EXAM is timed (60 minutes).

Grading:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes (11 quizzes, 1 dropped)</td>
<td>80</td>
</tr>
<tr>
<td>Exams (4 exams, 1 dropped)</td>
<td>75</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25</td>
</tr>
<tr>
<td>Assignment</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
</tr>
</tbody>
</table>
### Points based system: 200 total points

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>186 to 200</td>
</tr>
<tr>
<td>A-</td>
<td>180 to 186</td>
</tr>
<tr>
<td>B+</td>
<td>174 to 180</td>
</tr>
<tr>
<td>B</td>
<td>166 to 174</td>
</tr>
<tr>
<td>B-</td>
<td>160 to 166</td>
</tr>
<tr>
<td>C+</td>
<td>154 to 160</td>
</tr>
<tr>
<td>C</td>
<td>146 to 154</td>
</tr>
<tr>
<td>C-</td>
<td>140 to 146</td>
</tr>
<tr>
<td>D+</td>
<td>134 to 140</td>
</tr>
<tr>
<td>D</td>
<td>126 to 134</td>
</tr>
<tr>
<td>D-</td>
<td>120 to 126</td>
</tr>
<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 every Monday, 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