



**Graduate Seminar in Food Science and Technology
FDSCTE/8992**

Autumn 2021

1 credit hour

Wednesday, 4:00-5:00 (in-person)

INSTRUCTOR

Course Instructor: Ahmed E. Yousef

Email address: yousef.1@osu.edu

Phone number: 614-292-7814

PREREQUISITES

Graduate Status in Food Science and Technology

COURSE DESCRIPTION

A weekly seminar series on current and emerging topics in Food Science and Technology. Graduate students will participate in all dimensions of the course, including the presentation of a seminar, as well as through interactions with all other speakers. Seminar speakers will include graduate students, as well as faculty and invited representatives from industry, academia, and government. Course is required for Food Science graduate students during final semester of graduate program.

Course Learning Outcomes

The overall goal of this course is to provide graduate students with the opportunity to gain experience in the development, organization, and presentation of scientific information to faculty and student peers.

The Learning Objectives include:

1. Full participation in seminars, with emphasis on the development of appropriate questions based on scientific information presented.
2. Experience in the assembly and presentation of scientific information in a clear and concise manner and within a defined period of time.
3. Effective communication of results from a research investigation to an audience of peers, including faculty, staff and graduate students.
4. Management of the discussion of results and conclusions from a research investigation with an audience with diverse scientific background.
5. Development of constructive feedback for seminar speakers.

Mode of Delivery

In-person, in front of live audience.

Pace of Activities

The exact timing of the seminar will depend on the student's final examination and defense for completion of their program. During the early part of the semester, external speakers will be invited to present seminars. An announcement of the weekly seminar, including title, abstract of presentation,

speaker name, photo and bio for the speaker will be distributed approximately one week in advance of the date of the seminar.

Credit Hours and Work Expectations

This is a **1-credit-hour course**. According to Ohio State policy (go.osu.edu/credithours), students should expect around one hour per week of time spent on direct instruction (instructor content and Carmen activities, for example) in addition to 2 hours of homework to receive a grade of (C) average.

Attendance and Participation Requirements

Students are expected to attend class. Any absence from a class session requires a permission from the instructor for the course. A limit of three class sessions with permission are allowed. Attendance will be taken at the beginning of each class. Active participation in discussions with meaningful questions are expected from all students.

Copyright for Instructional Materials

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

TECHNOLOGY SUPPORT

For help with your password, university email, Carmen, or any other technology issues, questions, or requests, contact the Ohio State IT Service Desk. Standard support hours are available at ocio.osu.edu/help/hours, and support for urgent issues is available 24/7.

- **Self-Service and Chat support:** ocio.osu.edu/help
- **Phone:** 614-688-4357(HELP)
- **Email:** servicedesk@osu.edu
- **TDD:** 614-688-8743

Technology Skills Needed for This Course

- Basic computer and web-browsing skills
- Navigating Carmen (go.osu.edu/canvasstudent)
- CarmenZoom virtual meetings (go.osu.edu/zoom-meetings)

Required Equipment

- Computer: current Mac (MacOs) or PC (Windows 10) with high-speed internet connection
- Webcam: built-in or external webcam, fully installed and tested
- Microphone: built-in laptop or tablet mic or external microphone
- Other: a mobile device (smartphone or tablet) to use for BuckeyePass authentication

Required Software

- Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. Full instructions for downloading and installation can be found at go.osu.edu/office365help.

Carmen Access

You will need to use BuckeyePass (buckeyepass.osu.edu) multi-factor authentication to access your courses in Carmen. To ensure that you can connect to Carmen at all times, it is recommended that you take the following steps:

- Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device help article for step-by-step instructions (go.osu.edu/add-device).
- Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click **Enter a Passcode** and then click the **Text me new codes** button that appears. This will text you ten passcodes good for 365 days that can each be used once.
- Download the Duo Mobile application (go.osu.edu/install-duo) to all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service

If none of these options will meet the needs of your situation, you can contact the IT Service Desk at 614-688-4357(HELP) and IT support staff will work out a solution with you.

GRADING AND FACULTY RESPONSE

How Your Grade is Calculated

| Assignment category | Points |
|--|------------|
| Class attendance and participation | 35 |
| Preparation and presentation of research | 35 |
| Self-assessment reports | 30 |
| Total | 100 |

Class attendance and participation (35%)

Graduate students are expected to attend all seminar presentations. A student may be absent for up to 3 seminar sessions with permission from the instructor. Attendance will be taken by the instructors at the beginning of each class. Active participation in discussions with meaningful questions are expected from all students. Students will be assigned seminar speakers to which they will be responsible for asking a question(s). All graduate students will participate by providing an evaluation of each student presentation. In addition, on days in which graduate student seminars are scheduled, presenting students will be responsible for introductions and managing questions of the other speakers in their cohort. All other students will provide a short critique of the speaker/presentation which will be submitted to the instructor via **Qualtrics** and provided to the respective speaker for self-assessment.

Preparation and presentation of research (35%)

Graduate students completing requirements for M.S. degree programs will be provided 15 min to present highlights from their thesis research and respond to questions from the audience. Students completing requirements for PhD degree programs will be provided 25 min to present highlights from their dissertation research and respond to questions. Student presentations should include a brief introduction

and rationale for the research, the objectives, research methods and results, and conclusions. External speakers will present seminars during the initial weeks of the semester.

Self-assessment reports (30%)

Graduate students will be expected to carefully review and evaluate the feedback on their seminar and prepare a self-assessment report based on feedback received. This report should include an understanding of how the experience has enhanced their capabilities for future presentations and seminars. Self-assessments are due 1-week after the presentation.

Late assignments

Late assignments will not be accepted without documentation of illness or emergency and will be determined on a case-by-case basis by the instructor. Please refer to syllabus for due dates.

Grading scale

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|-----------|----|
| 93–100: | A |
| 90–92.9: | A- |
| 87–89.9: | B+ |
| 83–86.9: | B |
| 80–82.9: | B- |
| 77–79.9: | C+ |
| 73–76.9: | C |
| 70–72.9: | C- |
| 67–69.9: | D+ |
| 60–66.9: | D |
| Below 60: | E |

OTHER COURSE POLICIES

Ohio State's Academic Integrity Policy

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the university's *Code of Student Conduct* (studentconduct.osu.edu), and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the university's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the university or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the university's *Code of Student Conduct* is never considered an excuse for academic misconduct, so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.

If we suspect that a student has committed academic misconduct in this course, we are obligated by university rules to report these suspicions to the Committee on Academic Misconduct. If COAM determines that student has violated the university's *Code of Student Conduct* (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the university.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- Committee on Academic Misconduct web page (go.osu.edu/coam)
- Ten Suggestions for Preserving Academic Integrity (go.osu.edu/ten-suggestions)
- Eight Cardinal Rules of Academic Integrity (go.osu.edu/cardinal-rules)

SAFE AND HEALTHY BUCKEYES

Health and safety requirements: All students, faculty and staff are required to comply with and stay up to date on all university safety and health guidance (<https://safeandhealthy.osu.edu>), which includes wearing a face mask in any indoor space and maintaining a safe physical distance at all times. Non-compliance will result in a warning first, and disciplinary actions will be taken upon repeated offenses.”

Counseling and Consultation Services/Mental Health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life Counseling and Consultation Services (CCS) by visiting ccs.osu.edu or calling (614) 292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at (614) 292-5766 and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-(800)-273-TALK or at suicidepreventionlifeline.org.

David Wirt, wirt.9@osu.edu, is the CFAES embedded mental health counselor. He is available for new consultations and to establish routine care. To schedule with David, please call 614-292-5766. Students should mention their affiliation with CFAES when setting up a phone screening.

Creating an Environment Free from Harassment, Discrimination, and Sexual Misconduct

The Ohio State University is committed to building and maintaining a community to reflect diversity and to improve opportunities for all. All Buckeyes have the right to be free from harassment, discrimination, and sexual misconduct. Ohio State does not discriminate on the basis of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy (childbirth, false pregnancy, termination of pregnancy, or recovery therefrom), race, religion, sex, sexual orientation, or protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment. Members of the university community also have the right to be free from all forms of sexual misconduct: sexual harassment, sexual assault, relationship violence, stalking, and sexual exploitation.

To report harassment, discrimination, sexual misconduct, or retaliation and/or seek confidential and non-confidential resources and supportive measures, contact the Office of Institutional Equity:

1. Online reporting form at equity.osu.edu,
2. Call 614-247-5838 or TTY 614-688-8605,
3. Or Email equity@osu.edu

The university is committed to stopping sexual misconduct, preventing its recurrence, eliminating any hostile environment, and remedying its discriminatory effects. All university employees have reporting responsibilities to the Office of Institutional Equity to ensure the university can take appropriate action:

- All university employees, except those exempted by legal privilege of confidentiality or expressly identified as a confidential reporter, have an obligation to report incidents of sexual assault immediately.
- The following employees have an obligation to report all other forms of sexual misconduct as soon as practicable but at most within five workdays of becoming aware of such information: 1. Any human resource professional (HRP); 2. Anyone who supervises faculty, staff, students, or volunteers; 3. Chair/director; and 4. Faculty member.

This course adheres to The Principles of Community adopted by the College of Food, Agricultural, and Environmental Sciences. These principles can also be found at <https://go.osu.edu/principlesofcommunity>. For additional information on Diversity, Equity, and Inclusion in CFAES, contact the CFAES Office for Diversity, Equity, and Inclusion (<https://equityandinclusion.cfaes.ohio-state.edu/>). If you have been a victim of or a witness to a bias incident, you can report it online and anonymously (if you choose) at <https://studentlife.osu.edu/bias/report-a-bias-incident.aspx>.

ACCESSIBILITY ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Requesting accommodations

The university strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability including mental health, chronic or temporary medical conditions, please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** slds@osu.edu; 614-292-3307; 098 Baker Hall, 113 W. 12th Avenue.

Accessibility of course technology

This online course requires use of CarmenCanvas (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- Canvas accessibility (go.osu.edu/canvas-accessibility)
- Streaming audio and video
- CarmenZoom accessibility (go.osu.edu/zoom-accessibility)
- Collaborative course tools

Department of Food Science and Technology

2021 Fall Seminar Series

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|-----------|----|--|
| August | 25 | Committee Introduction to the series |
| September | 1 | Dr. Frederic Bertley President and CEO, COSI – Center of Science and Industry |
| | 8 | Lynn Knipe, PhD Associate Professor, Department of Food Science and Technology, OSU |
| | 15 | VM 'Bala' Balasubramaniam, PhD Professor, Department of Food Science and Technology, OSU |
| | 22 | Melvin Pascall, PhD Professor, Department of Food Science and Technology, OSU |
| | 29 | Matt Sullivan, PhD Professor, Department of Microbiology, OSU |
| October | 6 | FoodSURE team Coordinator: Dr. Yael Vodovotz, Food Science and Technology, OSU |
| | 13 | Darrell Cockburn, PhD Assistant Professor, Food Science, Penn State University |
| | 20 | Jiyoung Lee, PhD Professor, Food Science and Technology/Environmental Health Sciences, OSU |
| | 27 | Dr. Kathryn Boor Professor and Dean, Cornell University. The 2020-2021 Harris Award Lecture |
| November | 3 | FST Inclusion, Diversity, Equity, and Advocacy Committee (IDEA) Committee Chair: Dr. Jessica Cooperstone, Food Science and Technology, OSU |
| | 10 | Joy Waite-Cusic, PhD Associate Professor, Food Science and Technology, Oregon State University |
| | 17 | Aishwarya Badiger, PhD student, Food Science and Technology, OSU Wooju Kim, PhD student, Food Science and Technology, OSU |
| | 24 | Thanksgiving break |
| December | 1 | Bruce Hamaker, PhD Professor, Food Science, Purdue University |
| | 8 | Yuehan Ai, PhD student, Food Science and Technology, OSU Jeff Caminiti, PhD student, Food Science and Technology, OSU Klay Liu, MS student, Food Science and Technology, OSU |

Wednesday

4:00-5:00 pm

Parker 118

Please join us weekly for this seminar series that is being offered in the department this year. We will use this time to hear from faculty, students, and external stakeholders on a wide range of topics. Unless noted that the seminar is virtual, all seminars will take place in Parker 118 and are open to the public.

All FST faculty and grad students are expected to attend - light refreshments will be served.