

FOS 6938- GRADUATE FOOD SCIENCE SEMINAR

Summer Semester 2015

Tuesday –3:30-4:30 PM- MCCC G101

Instructor: Dr. Anita C. Wright

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Office hours: Mon/Wed 10:00-12:00

Course Description

This course provides a forum for graduate students to present their research or papers related to important research. They will become more informed on various aspects of the technology in food science. A series of food science seminars will be presented that include student presentations, as well as invited speakers selected from outstanding professionals in the areas of Food Microbiology, Food Chemistry, and Food Processing. The purpose of the course is to increase awareness of current issues, research, and careers in food science. Student presentations will build oral and written communication skills and inform the department on topics of interest and on the individual graduate research accomplishments. M.S. students are required to present one seminar on their M.S. thesis research. After the first year, Ph.D. students are required to present one seminar annually on any relevant topic in Food science and an exit seminar on their Ph.D. dissertation research.

Learning Outcomes

1. Integrate various aspects of Food Science, including Food Microbiology, Food Chemistry, and Food Processing
2. Increase student awareness of important and topical issues in Food Science
3. Build oral presentation and written communication skills
4. Improve skills for conducting literature searches
5. Enhance preparation for careers in food science

GRADING AND EVALUATION ****PLEASE NOTE CHANGES IN FORMAT****

This is a one credit graduate course with grades assigned based on class participation (10%), abstract (10%), and faculty evaluation of student presentations (80%). Students enrolled in course for a research seminar must submit their seminar topic during the first week of class. Student enrolled for a PhD General presentation must have an approved topic by September 30.

Abstract style should be similar to the type of abstract that would be submitted to a national meeting of a food science society such as IFT <http://www.ift.org>, ASM <http://www.asm.org>, or IAFP <http://www.foodprotection.org/annualmeeting/>. Content should include an introduction to your topic, brief description of your papers or research methods and results, and conclusion and significance of these papers or research. Citations for papers should be submitted with abstract. Abstracts are due one week before the presentation.

Attendance is mandatory unless you have extenuating circumstances or have been granted permission in ADVANCE. Missing more than 1 seminar in a semester will result in a letter grade reduction of the final grade for the course.

Ph.D. General Presentation. ****Note this is a change in format from prior formats**** After their first year, Ph.D. students are required annually to present a 25-minute presentation with 5 minutes discussion on one food science journal articles of their choice. The format will be similar to a “journal club” and should focus on presentation of one excellent research paper that has significantly contributed to the area of Food Science. Other related or review papers should also be discussed to provide background for this paper. All primary papers must be approved for presentation by their major advisor and by the instructor by September 30. Optional: instructor will be available to review slides prior to presentation and provide input on their quality.

Your presentation should include the following:

1. General overview of the topic
2. Rationale for why the paper was selected
3. Description of methods and results
4. Critical evaluation of results
5. Summary of what future work needs to be done in this area

Presentations will be evaluated on the basis of the quality of the selected literature, the presentation of this research material, and the integration of the material into the broader issues of Food Science.

M.S. Research Presentations. Students are required to give a 25-minute presentation with 5 minutes for discussion on their M.S. research. This presentation should include an introduction to the research area, an overview of the literature, and the rational for pursuing the hypothesis under investigation. Results should be presented in a format that is typical for appropriate peer-reviewed journals and include statistical analysis. Conclusion and discussion will include how the research integrates with related research and significant contributions of this research to advancing the field of Food Science. This seminar will typically be given during the semester of graduation.

Ph.D. Research Presentation. Ph.D. students are also required to present a 50-minute final seminar on their Ph.D. dissertation research. This presentation should be an extended version of the format as described above for M.S. research presentations. This seminar will typically be given during the semester of graduation.

PERFORMANCE INDICATORS

- Course attendance
- Class participation
- Ability to perform literature searches
- Written abstract
- Improved oral presentation skill
- Faculty and student evaluations

GRADING SCALE: A=90-100, B+=87-89, B=80-86, C+=77-79, C=70-76, D+=67-69, D=60-66

COURSE MATERIALS

- No textbook for this class.
- The total grade will be based on performance evaluation, class attendance, and participation.
- Student presentations and or papers that are selected must be approved to ensure they are related to topics presented in class. □

EVALUATION SHEETS FOR RESEARCH PRESENTATIONS

Component	Description	Score	
		(Possible)	Awarded
Oral presentation skills	Is the speaking style cohesive and clear? Do slides enhance the presentation? Is the timing appropriate? Does the presentation engage and stimulate questions from the audience?	10	_____
Abstract writing skills	Is the abstract clearly written to adequately describe the presented material?	10	_____
Introduction	Is the research rationale and hypothesis justified and supported by prior data?	20	_____
Methods	Are methods appropriate and explained in sufficient detail?	10	_____
Results and Conclusion	Are results and statistics presented in a clear and concise manor and do they justify conclusions?	20	_____
Response to questions	Do the answers to questions demonstrate mastery of the research area?	10	_____
Critical Evaluation of results	Overall, how does this research make a significant contribution to science?	20	_____
Out of a possible 100 points		Total Score:	

EVALUATION SHEETS FOR GENERAL TOPIC PRESENTATIONS

Component	Description	Score	
		(Possible)	Awarded
Oral presentation skills	Is the speaking style cohesive and clear? Do slides enhance the presentation? Is the timing appropriate? Does the presentation engage and stimulate questions from the audience?	10	_____
Abstract writing skills	Is the abstract clearly written to adequately describe the presented material?	10	_____
Introduction	Is the research topic appropriately introduced and supported by prior data	20	_____
Scientific merit of papers	Does the selected paper have merit? Is rationale for selection explained in sufficient detail to understand the methods and results?	20	_____
Conclusion	Are the conclusions justified and demonstrate critical thinking by the presenter?	10	_____
Response to questions	Do the answers to questions demonstrate mastery of the research area presented?	10	_____
Critical assessment of papers	Overall, does this presentation clearly describe the scientific merit and scientific contribution of the selected paper?	20	_____
Out of a possible 100 points		Total Score:	

NOTICES □ACADEMIC HONESTY □As a result of completing the registration form at the University of Florida, every student has signed the following statement: “I understand that the University of Florida expects its students to be honest in all of their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University”. **Plagiarism is illegal and is clearly against the rules of the University of Florida. For purposes here, plagiarism is defined as copying more than three consecutive words without credit to the original author. See the course outline about academic honesty.**

□UF COUNSELING SERVICES □Resources are available on campus for students having personal problems or lacking clear career and academic goals, which interfere with their academic performance. These resources include:

1. University Counseling Center, 301 Peabody Hall, 2-1575, personal and career counseling;
2. Student Mental Health, Student Health Care Center, 2-1171, personal counseling;
3. Sexual Assault Recovery Services (SARS), Student Health Care Center, 2-1161, sexual assault counseling;
4. Career Resource Center, Reitz Union, 2-1601, career development assistance and counseling

Students with Disabilities

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.