

**TENTATIVE COURSE SYLLABUS**  
**NRM F692-901: GRADUATE SEMINAR in NRM: Food and Fiber Security (1 credit)**  
**Fall Semester 2024**

**SCHEDULE**

Lectures and discussions, Wednesday from 1:00 to 2:30 pm, AHRB room 183

**ZOOM**

<https://alaska.zoom.us/j/86741463285?pwd=8p93p3BaGPcHWF8OA9VdXYZWSV9XHV.1>  
Passcode: 979521

**COORDINATORS**

Dr. Jenifer Huang McBeath

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Office Hours: Tuesday and Thursday 11:30 am - 1:30 pm and by appointment

Dr. Meriam Karlsson

Office: 1W04 Arctic Health Research Building (AHRB)

Telephone: (907) 474-7005

Email: [mgkarlsson@alaska.edu](mailto:mgkarlsson@alaska.edu)

Office Hours: Tuesday and Thursday 10 am - noon and by appointment

**SCOPE AND LEARNING OBJECTIVES**

Topics in natural resources management explored through guest lectures, readings, student participation and group discussions.

The primary objectives of this course are to:

- 1) introduce students to concepts, industries and agencies of natural resources management, and
- 2) expose students to the diverse fields and areas related to natural resources management.

**GRADING SYSTEM**

Final grades will be assigned based on merit.

A = 90% or higher

B = 80-89%

C = 70 -79%

D = 60-69%

F = <60%

## REQUIREMENTS

1. Attendance and participation. Regular attendance is expected and essential. Active in class participation by asking questions and engaging in discussions improves the learning environment for all students, and is strongly encouraged. Immediately contact the instructors if you are unable to attend class or submit a required assignment on time. Attendance counts for 60 percent of the course grade.

2. Post-presentation assignments. Summarize the main points of the presentation and how they may relate to your research. If the topic of the presentation does not directly apply to your area of study, highlight what you found most interesting and/or useful. The post-presentation assignments are due before the following week's class period. These assignments count for 40 percent of the course grade.

3. Plagiarism and cheating are serious offenses, prohibited by the UAF Student Code of Conduct. Any source directly quoted or paraphrased in your assignments should be properly cited.

4. Please avoid distracting classmates (and instructor) by open cell phones, texting in class, and surfing the web.

**Student protections statement:** UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and discrimination (Title IX). Faculty members are designated as responsible employees which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site:  
<https://catalog.uaf.edu/academics-regulations/students-rights-responsibilities/>.

**Disability services statement:** Working with the Office of Disability Services, we will provide reasonable accommodation to students with disabilities.

**ASUAF advocacy statement:** The Associated Students of the University of Alaska Fairbanks, the student government of UAF, offers advocacy services to students who feel they are facing issues with staff, faculty, and/or other students specifically if these issues are hindering the ability of the student to succeed in their academics or go about their lives at the university. Students who wish to utilize these services can contact the Student Advocacy Director by visiting the ASUAF office or emailing [asuaf.office@alaska.edu](mailto:asuaf.office@alaska.edu).

### Student Academic Support:

- Communication Center (907-474-5470, [uaf-speakingcenter@alaska.edu](mailto:uaf-speakingcenter@alaska.edu), Gruening 507)
- Writing Center (907-474-5314, [uaf-writing-center@alaska.edu](mailto:uaf-writing-center@alaska.edu), Gruening 801)
- UAF Math Services, [uaf-traccloud@alaska.edu](mailto:uaf-traccloud@alaska.edu), Chapman 305  
(<https://www.uaf.edu/dms/mathlab/>, for math fee paying students only)
- Developmental Math Lab (Gruening 406, <https://www.uaf.edu/deved/math/>)
- The Debbie Moses Learning Center at CTC (907-455-2860, 604 Barnette St, Room 120, <https://www.ctc.uaf.edu/student-services/student-success-center/>)

- For more information and resources, please see the Academic Advising Resource List <https://www.uaf.edu/advising/students/index.php>

### **Student Resources:**

- Disability Services (907-474-5655, [uaf-disability-services@alaska.edu](mailto:uaf-disability-services@alaska.edu), 110 Eielson Building)
- Student Health & Counseling [**6 free counseling sessions**] (907-474-7043, <https://www.uaf.edu/chc/appointments.php>, Whitaker Building 2nd floor)
- Office of Rights, Compliance and Accountability (907-474-7300, [uaf-orca@alaska.edu](mailto:uaf-orca@alaska.edu), 3rd Floor, Constitution Hall)
- Associated Students of the University of Alaska Fairbanks (ASUAF) or ASUAF Student Government (907-474-7355, [asuaf.office@alaska.edu](mailto:asuaf.office@alaska.edu), Wood Center 119)

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For more information, contact:

UAF Office of Rights, Compliance and Accountability  
1692 Tok Lane, 3rd floor, Constitution Hall,  
Fairbanks, AK 99775  
907-474-7300, [uaf-orca@alaska.edu](mailto:uaf-orca@alaska.edu)

We want you to know that:

1. UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: [www.alaska.edu/nondiscrimination](http://www.alaska.edu/nondiscrimination).
2. Incidents can be reported to your university's Equity and Compliance office (listed below) or online reporting portal. University of Alaska takes immediate, effective, and appropriate action to respond to reported acts of discrimination and harassment.
3. There are supportive measures available to individuals that may have experienced discrimination.
4. University of Alaska's Board of Regents' Policy & University Regulations (UA BoR P&R) 01.02.020 Nondiscrimination and 01.04 Sex and Gender-Based Discrimination Under Title IX, go to: <http://alaska.edu/bor/policy-regulations/>.
5. UA BoR P&R apply at all university owned or operated sites, university sanctioned events, clinical sites and during all academic or research related travel that are university sponsored.

For further information on your rights and resources visit the [student placement guidelines page of the equity and compliance site](#).

## COURSE OUTLINE AND READING SCHEDULE

Date	Topic	Lecturer(s)
Aug. 28	Introduction - Alaska Food and Fiber Security	J. McBeath M. Karlsson
Sept. 04	Scales of government- Regulations for Natural Resource Management	G. McBeath
Sept. 11	Exporting Alaska ag products domestically and internationally	J. McBeath
Sept. 18	Economics of outdoor recreation	P. Fix
Sept. 25	Agriculture and Entomology in the Lower Pacific Northwest	C. Campbell
Oct. 02	TBD - Selecting cereals for food production	M.J. Hasan
Oct. 09	Environmental Engineering Research	S. Aggarwal
Oct. 16	Alaska Forest Resources and Forest Industry	J. Douse
Oct. 23	TBA - Discovery, development and marketing, environmentally friendly methods to control plant diseases	J. McBeath
Oct. 30	UAF Homeland Security and Emergency Management	A. Bennett
Nov. 06	Glyphosate and the story of soggy sauerkraut	D. Huber
Nov. 13	Alaska peony cut flower industry, opportunities and challenges producing for local, national and export markets	RJ. Shoultz
(Nov 15-16)	Farmers sustaining Alaska. 2024 Alaska Ag conference. Pike's Waterfront Lodge	
Nov. 20	TBD - Urban, Indoor and Emerging Agriculture	M. Karlsson
Nov. 27	Fall Break (no class)	
Dec. 04	Discovery of an Alaska plant disease- aspen running canker	L. Winton
Dec. 9-14	Final exam week	

## **LIST OF PRESENTERS**

- Dr. Srijan Aggarwal**, Environmental Engineering, Dept of Civil, Geological and Environmental Engineering, College of Engineering and Mines (CEM)
- Mr. Alec Bennett**, Center for Arctic Security and Resilience, UAF Homeland Security and Emergency Management Program, International Arctic Research Center, UAF
- Dr. Clinton Campbell**, Entomologist, United State Department of Agriculture (USDA), Animal and Plant Health Inspection Services (APHIS), Plant Protection and Quarantine (PPQ), Federal Way, Washington.
- Mr. Jeremy Douse**, Deputy Director, Division of Forestry, Alaska Department of Natural Resources, Fairbanks
- Dr. Peter Fix**, Professor of Outdoor Recreation, Department of Natural Resources and Environment, College of Natural Sciences and Mathematics (CNSM)
- Dr. Jakir Hasan**, Assistant Professor of Small Grain Breeding, Institute of Agriculture, Natural Resources and Extension (IANRE)
- Dr. Don Huber**, Professor Emeritus, Plant Pathology, Purdue University
- Dr. Meriam Karlsson**, Professor of Horticulture, Agricultural and Forestry Experiment Station (AFES), IANRE and Department of Natural Resources and Environment, CNSM
- Dr. Jenifer Huang McBeath**, Professor of Plant Pathology and Biotechnology, AFES, IANRE and Department of Natural Resources and Environment, CNSM
- Dr. Jerry McBeath**, Professor Emeritus, Political Science, College of Liberal Arts (CLA)
- Ms. Rita Jo Shoultz**, Owner Alaska Perfect Peony, Fritz Creek, Alaska. Founded in 2006 as the first AK commercial peony farm. She serves as the chair of the board of directors for Certified American Grown, a nonprofit national trade association.
- Dr. Lori Winton**, Forest pathologist, USDA Forest Service, Forest Health Protection, Fairbanks