

UNIVERSITY OF ALASKA SOUTHEAST

Fisheries Management Techniques iPad
FT 211

- I. **Department:** Fisheries Technology
Number: FT 211 **iPad Delivery**
Title: Fisheries Management Techniques
- Semester:** Spring 2017 **Lecture: - iPad Delivery** **Room: - iPad Delivery**
- II. **Instructors:** Joel Markis
Office: Sitka – 101 H
Telephone: 747 - 7760
Cell: 299-0760
Email: jamarkis@alaska.edu
- III. **Office Hours:** Tues, Wed, Thurs: 12:00 – 2:00p **Room:** 101 H
Mon & Fri: by appointment or chance
- IV. **Required Text:**
Zale, A.V., Parrish, D.L., and Sutton, T.M. 2012. Fisheries Techniques, 3rd Edition. American Fisheries Society, Bethesda, Maryland.
- Johnson, D.H., Shrier, B.M. et al. 2007. Salmonid Field Protocols Handbook. American Fisheries Society, Bethesda, Maryland. (available for free online and on the course website)
- Bain, Mark B. and Stevenson, Nathalie J. 1999. Aquatic Habitat Assessment. American Fisheries Society, Bethesda, Maryland. (also available free online and on the course website)
- V. **Prerequisites and Recommendations:** FT S274, co-enrollment, or permission of the instructor. Reading and writing skills should be of college freshman level or higher. Reading assignments and written work is graded on content and clarity. If you are having trouble, contact me to discuss better options. If unsure of your level, I suggest taking the English Placement Test.
- VI. **How to Begin;** Read your Getting Started Packet (sent by US Mail), return the required forms. You do not need the internet to complete the course but if you would like to access the class website you will need to set up a UAS user name and password. To do this, follow the instructions at: <https://uascentral.uas.alaska.edu/elmo> Make sure to write down your user name and password for future reference. If you have difficulty with the on-line format, remember that the help desk is available as are several tutorials. Contact the help desk for more information: toll free 1-877-465-6400 or local 796-6400; e-mail: helpdesk@alaska.edu
- VII. **Help Resources:** Sitka Campus: sitka.distance@alaska.edu, 800-478-6653 or 907-747-7700
You can start here with questions about any aspect of this course, including technology. If they don't know the answer they will find someone who does (x = phone extension)
eLearning Support: Emy x7721, Randy x7701
Writing Assistant: x7717
UAS Sitka Facebook <https://www.facebook.com/uassitka>
UAS Technology Help Desk: 877-465-6400, <http://www.uas.alaska.edu/helpdesk/>

VIII. **Course Description:** Fisheries Management Techniques presents common sampling and monitoring techniques and parameters utilized by fisheries professionals in Alaska. Introduces students to nets, stream survey techniques, intertidal assessment, fish counts, habitat assessment, and data collection, recording, and presentation. Provides instruction on field safety and survival techniques.

IX. **Course Goals:** The primary goal of this course is to introduce students to commonly used field methods to collect fisheries information with Alaska specific considerations.

X. **Student Learning Objectives:**

1. Demonstrate lab and field data collection protocols
2. Identify potential safety hazards in the lab and field
3. Utilize basic outdoor skills and assess weather considerations
4. Demonstrate an understanding of basic common lab and field monitoring protocols
5. Demonstrate an understanding of stream and intertidal assessments
6. Identify stream habitat variables and juvenile salmonids
7. Describe proper maintenance and calibration of lab and field equipment

XI. **UAS Competencies:**

Competency in Critical Thinking: Students in this class will be required to apply critical thinking skills and scientific methods to answer fishery-related questions

Competency in Quantitative Skills: Students in this class will apply quantitative skills to the collection, documentation and analysis of fishery information.

Competency in Professional Behavior: Students will be required interact in a professional manner in class dialogues and discussions. Students will also be required to work professionally as a team and help each other during group exercises.

Competency in Communication: Students will demonstrate communication skills in dialogues and discussions and written assignments. Students will also demonstrate group communication skills during group projects involving team work.

XII. **Required Work:**

You will be required to watch all of the modules and complete all of the self check quizzes. There will be 2 exams and one comprehensive final. Exams will be a combination of multiple-choice, ordering, selection and matching. Exams are preloaded on the provided iPad and housed within the Examsoft app. You will be required to check in with me to discuss the modules and gain access to the exam passwords.

XIII. **Grading Scale:** Grades will be calculated as described below. Grades will be based on the exact number of points earned by a student during the semester, and will be Classified into letter grades using the following percentage Scale:

A 90 – 100% **B** 80 – 89% **C** 70 – 79% **D** 60 – 69% **F** 59% and below

XIV. **Evaluation Tools:** Grades will be posted on BlackBoard.

Participation & Course Completion	= 100
Course Check ins 3 @ 33pts	= 100
Exams 2 @ 100 pts	= 200
Final Exam	= 200
<hr/>	<hr/>
Total Points Possible	= 600 points

XV. Tentative Lecture Schedule – FT 211

DATE	TOPIC(S)
Mod 1	Introductions, Syllabus and What is fisheries
2	Planning for Sampling, Data Management
3	Data Management and Statistics
4	Safety in Fisheries
5	Aquatic Habitat Measurements
6	EXAM 1
7	Care and Handling of Aquatic Organisms
8	Passive Capture Techniques
9	Active Capture Techniques
10	Length Weight & Associated Indices
11	EXAM 2
12	Age & Growth
13	Marking & Tagging
14	Visual Observation of Fish
15	Final Exam

XVI. Important dates:

1st day of classes	January 17
Last day to withdraw from the class without a grade and 100% refund:	January 27
Last day to change from credit to audit or vice-versa	January 27
Spring Break	March 13 – 17
Last day to withdraw from class with a “W”	March 31
Finals Week (IPADS ARE DUE BACK)	May 2 – 6

XVII. **Technology:** Expect to face some technology issues as part of getting your work done. Technology problems can be frustrating and time-consuming. Take control. Be a good shepherd of your time and your attitude. A good rule of thumb is to never spend more than about 15 minutes trying to resolve a technology problem on your own. Reach out for help using the numbers on the front page of the syllabus. If it is after hours, switch to a different task until you can reach technology help. If a deadline is looming, email to let me know of the issue. You will have an automatic extension (as long as it does not become habitual) while you work with technology help to resolve the issue. Poor Internet access can put you at a disadvantage. Contact me to discuss the possibility of modifying assignments to accommodate connection problems.

XVIII. **Incomplete Policy:** Incomplete grades may sometimes be negotiated when circumstances such as illness or family emergency interfere with completion. To qualify for consideration of an incomplete a student must have completed the majority of coursework, earned a C or better on each part of the midterm, and participated fully and consistently though out the class. Incomplete grades will not be given in cases of non-participation or failure to communicate with the instructor. Students who are unable to participate in coursework for a significant amount of time during the semester should plan to re-register for the course at a later date rather than take an incomplete grade.

XIX. **The Most Important Study Tip:** Aim to Understand Rather Than Memorize. There will be many new terms and concepts that you will need to commit to memory. However, you will find the subject much less overwhelming if you focus on understanding the information rather than memorizing it. As we approach each new fishery, synthesize and build on the information you have previously learned.

XX. **Time and Effort:** Each module should take you about 2 – 2.5 hrs to complete. Much of the coursework involves independent study and assigned readings you should be prepared to work hard. An average student can expect to put in about 9 hours of study per week, outside of scheduled meetings, to earn an average grade. I am here to help you learn and will do whatever I can to assist you. Tutorials available at: <http://tss.learningspaces.alaska.edu/tutorials/>

- Plagiarism – What it is And How to Avoid It
- How to Write a Basic Essay
- Note Taking
- How to Study
- Email Etiquette
- Basic Grammar
- Test Taking Tips
- Time Management for Students

Disability Services: If you experience a disability and would like information about support services, contact the Sitka Campus at 800-478-6653 or DSS at <http://www.uas.alaska.edu/dss/index.html>. It is the student's responsibility to initiate contact and provide appropriate disability documentation to DSS. The University of Alaska Southeast is committed to providing a working and learning atmosphere that supports our diverse student population. The Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973 prohibit discrimination against any qualified person regardless of his or her disability, and require universities to provide reasonable accommodations to students with disabilities in order to ensure equal access to all academic and co-curricular programs and services. Students with disabilities requesting accommodations should contact the Disabilities Support Services (DSS) Coordinator to obtain forms for requesting accommodations and documentation requirements. Once a determination is made, faculty will be notified of the accommodations established for the student, which they must allow. The nature of all disabilities is held extremely confidential. Students are encouraged to request accommodations prior to the start of the semester, or as soon as possible, to allow time for a formal review and for the accommodations to be put into place. The DSS Coordinator for the UAS Sitka Campus is Christopher Washko, Student Success Center Manager (Rm 226C), who can be contacted at cmwashko@alaska.edu or (907) 747-7703.

- XXI. **Multi-Lingual Students:** Taking an advanced course in a language that is not your first language is an accomplishment to be admired. It can also be a challenge. Our writing tutors have ESL expertise and a commitment to helping you reach your goals.
- XXII. **Academic Honesty:** Academic integrity is expected at all times. It is the student's responsibility to be familiar with the relevant sections in the UAS catalog and the UAS student handbook. Academic dishonesty of any type, including plagiarism and inappropriate test conduct, will typically result in the most serious consequences provided for by UAS policy. Test misconduct or plagiarism of a written or image-based assignment (including Open Book Tests, Team posts and Labs) will result in a zero for the assignment or a failing grade for the course. Students are required to view the presentation on avoiding plagiarism at our website before starting assignments. See tutorial at: <http://www.uasplus.com/ssc/lo/508plagiarism/>
- XXIII. **Audit Policy:** Auditors will be expected to attend as many class sessions as possible. Exams may be taken at the auditor's discretion.
- XXIV. **Sexual Harassment, Sexual Violence, and Gender-Based Discrimination Policy:**
The University of Alaska Southeast is committed to providing both employment and educational environments free of harassment or discrimination related to an individual's race, color, gender, religion, national origin, age, physical or mental disability, veteran status, marital status, pregnancy or parenthood as prohibited by Title IX of the Education Amendments of 1972 and of Title VII (Section 703) of the Civil Rights Act of 1964. University of Alaska Board of Regents policy further includes sexual orientation as a protected class on all UA campuses. These protections are extended not only to university employees, but to students and campus visitors as well.
- Title IX specifically prohibits sexual harassment, gender-based discrimination, and sexual violence against any participant in an educational program or activity that receives federal funds. Sexual violence includes attempted or completed rape or sexual assault, as well as sexual harassment, stalking, voyeurism, exhibitionism, verbal or physical sexuality-based threats or abuse, and intimate partner violence. Title IX aims to create educational environments absent all forms of sex discrimination. It addresses university programs, admissions, athletics, sponsored activities and organizations, and student-to-student sexual harassment/violence conducted either on or off-campus. Any person who believes herself or himself (or another member of the university community) to be subjected to such unlawful sexual harassment, violence, discrimination, intimidation and/or exploitation should immediately bring the matter to the attention of the campus Title IX Coordinator, or to any instructor, academic or administrative officer, supervisor, or advisor. These employees are then mandated to forward the complaint confidentially to the campus Title IX Coordinator, who will take prompt actions to investigate all incidents and take necessary actions to immediately stop the unlawful behavior or situation, prevent its reoccurrence, and remedy its effects upon the victims and the university community. The Sitka Campus Title IX Coordinator/Investigator is Christopher Washko, who can be reached at (907) 747-7703.