Weekly RAP January 18, 2016

Tuesday, January 19
7:00 pm
Westmark Fairbanks Gold Room
Science for Alaska Lecture Series
What do Nanotechnology, Brains and Border Patrol Have in Common
Martin Cenek, assistant professor, Computer Science.
Cenek will present a conceptual design of sensor networks for the Arctic that are inspired by the neurophysiology of the human brain.

Wednesday, January 20
1:00 - 2:00 pm
Vera Alexander Learning Center, 201 O'Neill Bldg
SFOS Fairbanks Fisheries Seminar
Our Lives are Salmon Lives. Embedding Alaska's salmon cultures in the collective conscious
Erin Harrington, director of The Salmon Project www.salmonproject.org

1:00 – 2:00 pm
214 O'Neill Bldg (by VCON from Seward RAE Bldg; also to 103 Lena in Juneau)
SFOS M.S. defense
Using remote camera techniques to study black-legged kittiwake (Rissa tridactyla) productivity in Resurrection Bay in the northern Gulf of Alaska
Sarah Tanedo, M.S. Marine Biology candidate

5:30 -6:30 pm
Schaible Auditorium
UAF Research Showcase
Fish Math or Why We Make You Take Calculus
Milo Adkison, UAF School of Fisheries and Ocean Sciences

Thursday, January 21

Friday, January 22
12:00 -1:00 pm
Akasofu Building room 407 (access via rm 406) or webinar (online registration and further information available at https://accap.uaf.edu/NWS_Briefings)
January 2016 National Weather Service Alaska Climate Forecast Briefing
Rick Thoman, Climate Science and Services Manager, Environmental and Scientific Services Division, National Weather Service Alaska Region
The tools and techniques for making monthly and season scale climate forecasts are rapidly changing, with the potential to provide useful forecasts at the month and longer range. Rick Thoman will review recent climate conditions around Alaska, review some forecast tools and finish up with the Climate Prediction Center's forecast for the upcoming season. Rick will also present a "Feature-of-the-Month" special addition in which each month he will highlight a topic relevant to the particular month. Feel free to bring your lunch and join the gathering in-person or join online to learn more about Alaska climate and weather
3:00 – 4:00 pm  
Murie Auditorium  
IAB Life Science Seminar Series

3:30 – 4:30 pm  
531 Duckering  
WERC Seminar  
CSI Beringia: Reconstructing 2,500 years of Pacific walrus foraging  
Casey T. Clark, UAF Water and Environmental Research Center.

**Saturday, January 23**  
12:00 – 4:00 pm  
UA Museum of the North  
Museum Open House  
A look behind-the-scenes at the labs where researchers make discoveries about the science, culture, health, and environment of Alaska. This is a great day to visit the museum and meet the people who make the exhibits possible year round. Admission is free.  
[http://www.uaf.edu/museum/](http://www.uaf.edu/museum/)

**PROFESSIONAL DEVELOPMENT**

The 7th Regional Conference on Island Sustainability will take place April 11-15, 2016. This year, the University of Alaska Fairbanks joins the University of Guam Center for Island Sustainability as a co-host of the conference as we explore topics pertinent to soft borders and remote regions. Both universities serve border regions far removed from the mainland US. The institutions are dedicated to supporting dispersed and disconnected “islands” within their regions and are committed to emergent research and awareness of sustainable practice and lifeways toward human survival.

The conference will inspire change, facilitate action, and provide a venue for sharing, networking, and collaboration of sustainability issues related to economic, social/cultural, educational, environmental or energy solutions. We invite you to propose a session or presentation in one of the following areas:

*Posters – Visual presentation of a topic allowing viewers to learn on their own while the presenter discusses particular points in one-on-one or small group conversations.  
*Panel Discussions – 60-minute session with two or more presenters and a moderator who facilitates a discussion between presenters and audience members after a short presentation by each panelist.  
*Workshops – 60-minute interactive sessions that include a brief presentation and time for audience members to participate in discussions and/or activities that will help them better understand the topic.  
*Case studies – 20-minute presentations about a particular focused topic. Each selected case study will be organized with two other case studies into 60 minute blocks.  
*Networking Meetings – Sessions for discussions about a particular topic. Networking meeting proposals are to include a topic, a facilitator, and an agenda.

If you would like to present at the conference, please forward the following information to Elvie Tyler at elvie.tyler8@gmail.com  
1. Your Name (as it should appear in the program)  
2. Title of Presentation  
3. Abstract (one paragraph no more than 150 words)  
4. Type of Presentation: Lecture/Panel/Exhibit/Poster  
5. Preferred time of presentation (if needed)
6. Logistic/equipment requirements.
7. Contact person for session proposal
8. Facilitator contact information (for panel proposals only)

**Deadline for submissions is 4:00pm, Friday, March 4, 2016.** Notification of selections will be made no later than Friday, March 11, 2016. If you are selected to present, handouts and PowerPoint presentations must be submitted in an electronic format no later than Friday, April 1, 2016.

The complete call for proposals is attached.

The Western Alaska Interdisciplinary Science Association (WAISA) announces the 2015 Western Alaska Interdisciplinary Science Conference and Forum (WAISC), “Adaptation: Tides of Change,” to be held March 9–12, 2016, in Dillingham, Alaska. This conference will highlight regional scientific efforts that provide a more interdisciplinary approach to scientific inquiry and resource management. Organizers welcome submissions from all individuals and organizations collecting data in western Alaska.

You do not need to be a scientist to have good ideas to share.

**Session topics**
(subject to change)

Oil and Gas/Mining: Brian Rasley, btrasely@alaska.edu
Fisheries: Gabriel Dunham, gabe.dunham@alaska.edu
Sustainable Energy: Tom Marsik, tmarsik@alask.edu
Green Buildings: Jonathan Mears, jwmears@alaska.edu
Rural Health Care: Rebecca Coupchiak, ribouker@alaska.edu
Rural Science Education: Tara Borland, taborland@alaska.edu
How Can Alaskan Colleges Serve Rural Students Better?: Pete Pinney, pppinney@alaska.edu

K-12 Session: Deanna Baier, debaier@alaska.edu
Ecosystem Health/Climate Change: Todd Radenbaugh, taradenbaugh@alaska.edu; Sue Flensburg, sfensburg@bbna.com
Citizen/Subsistence Science: Todd Radenbaugh, taradenbaugh@alaska.edu
Rural Solid Waste: Todd Radenbaugh, taradenbaugh@alaska.edu

**Abstract submission**

Abstracts are due January 31, 2016. Submit abstracts via e-mail to Tara Borland, taborland@alaska.edu

Abstracts should be no more than 500 words, single-spaced, and should include the following information:

- Author name, title, and institutional affiliation;
- Paper title; and
- Summary of research question, relevant literature, research design and methods, data, and findings.

Notifications of proposal acceptance will be sent via email by February 10, 2016. If a proposal is accepted, the presenter must register for the conference in order to participate.

The WAISC selection committee reserves the right to reject papers that are not scientifically sound or are not in line with the submission specifications/guidelines. Only papers presented at the conference will be included in the conference proceedings.

12/28/15

**ARCTIC SCIENCE SUMMIT WEEK**
12-18 March, University of Alaska Fairbanks
INTERNERSHIPS/FELLOWSHIPS/ EMPLOYMENT

Alaska Sea Grant is accepting fellowship applications from graduate students seeking experience in Alaska marine resources and policy.

The program matches recently or nearly finished graduate students with a 12-month professional job opportunity supporting healthy Alaska coastal communities and the marine environment.

“The Alaska Sea Grant State Fellowship Program supports some of our brightest students as they launch their careers in Alaska, where we hope they will stay for many years to come,” said Paula Cullenberg, Alaska Sea Grant director. “Our first two Alaska Sea Grant Fellows began this year. Both are gaining valuable professional experience while contributing to marine policy and management in Alaska.”

This year, five marine resource agencies have expressed interest in supporting an Alaska Sea Grant fellow: the National Marine Fisheries Service, the Bureau of Ocean Energy Management, the North Pacific Research Board, the National Park Service and the State of Alaska's Division of Geological and Geophysical Surveys.

Applications will be accepted through Feb. 12. Alaska Sea Grant will select finalists and assignments will be decided in consultation with potential fellowship hosts.

For applications, guidelines and host position descriptions, go to alaskaseagrant.org/research/state-fellowship.

ADDITIONAL CONTACTS: Ginny Eckert, 907-786-5450, ginny.eckert@alaska.edu; Michele Frandsen, 907-474-7088, michele.frandsen@alaska.edu

1/18/16

Alaska INBRE is pleased to announce the solicitation for the 2016-17 Graduate Research Assistantships. To apply, visit http://www.alaska.edu/inbre/opportunities/graduate-research-assista/

The Alaska IDeA Network of Biomedical Research Excellence (INBRE) is supported by a grant from the National Institutes of Health. The primary objective of Alaska INBRE Graduate Research Assistantship program is to provide support for projects in the biomedical sciences with mentorship from UAF, UAA, or UAS faculty involved in biomedical research. Graduate students funded through this program will gain valuable experience in designing, conducting and reporting biomedical research and training in scientific method, scientific writing, and preparation of theses, manuscripts, reports and presentations. Ten (10) Graduate Research Assistantships will be awarded each academic year.

Applicants must be full-time graduate students currently enrolled in Ph.D. or Master’s Degree programs at UAF, UAA, or UAS in good academic standing (min. 3.0 GPA). Applicants are expected to have formed a graduate advisory committee and filed a graduate study plan. If they have not done so yet, they must explain the reason (e.g. new student status).
Graduate Research Assistants (GRAs) may receive up to 12 months of award payments, tuition support (up to 9 credit hours per semester) for the fall and spring academic semesters, and graduate student health care insurance. The award is for 20 hours a week in the fall and spring and 40 hours a week in the summer. Pay will be provided at the appropriate research assistantship level for the applicant’s degree status.

Applications are due February 15, 2016.

For information about this opportunity, please contact Barbara Taylor, INBRE Research Training Core Lead at betaylor@alaska.edu

1/11/16

Postdoctoral fellow at Department of Ecology and Natural Resource Management – Ref.no. 15/05016

The Department of Ecology and Natural Resource Management (INA) at the Norwegian University of Life Sciences (NMBU) has a vacant two-year postdoctoral–position

The Department of Ecology and Natural Resource Management (INA) has about 100 employees and undertakes teaching, research and dissemination within the fields of biology and ecology, nature management, renewable energy, nature based tourism and forest sciences. Currently, the department has approximately 370 students and about 50 PhD-students. The employees of the department are active in their areas of expertise, both nationally and internationally and have a high production of scientific papers. For more information, see http://www.nmbu.no/ina-en/

Research Project
The position is financed by NMBU, and shall be relevant for at least one of the thematic prioritized areas of INA.
INA has given priority to the following areas:
- Ecosystem services - processes, resource efficiency, conflicts and possibilities
- Climate change - effects, mitigation and adaptations
- Renewable energy - potential and environmental effects
- Land use - possibilities and effects

Main tasks
The postdoctoral fellow shall work on a project that is relevant for at least one of the thematic areas of INA. She/he will participate actively in a research group attached to the project. A crucial task will be to publish papers originating from the project.
The application shall include a project description, including the scientific background of the project, research questions, methodology, a tentative list of publications, and a progress plan. The applicant must establish contact with at least one of the senior scientific staff at INA (researcher, associate professor, professor). This staff will be responsible for scientific supervision of the candidate that is employed.

Academic Qualifications
Recently obtained PhD within a relevant scientific area. Candidates must have submitted the PhD dissertation by April 30 2016. Dissertation and defense must be approved before the project starts.
- Strong annual publication record
- Documented and solid methodological competence
- The main purpose of the post-doctoral position is to qualify for work in a scientific position

Desired personal qualities
- High work capacity
- Ability to initiate and complete projects
- Collaborative, including ability to establish contacts, develop network and cooperate with different persons
Result-oriented and motivated

NMBU offers:
A positive and proactive academic institution, emphasizing professional development and competence, and with strong research and dissemination records. An interdisciplinary and inclusive environment that provides exciting research and development opportunities. Various welfare schemes

Remuneration
The position is placed in government pay scale position code 1352 Postdoctoral Fellow, wage framework 24 (salary grade 57-65), depending on qualifications. Seniority Promotion in position.

Further information
For further information, please contact Head of Department, professor Sjur Baardsen
E-mail: sjur.baardsen@nmbu.no

Application
To apply online for this vacancy, please click on the 'Apply for this job' button above. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.
Application deadline: February 7th, 2016

Key publications
Up to ten publications selected by the applicant as most relevant should be attached to the application. If it is difficult to identify the contribution of the applicant in multiple-author publications, a short explanation about the applicant's part of the work should be attached. Printed material not available electronically should be sent by surface mail to Norwegian University of Life Sciences, Department of (name), P.O. Box 5003, NO-1432 Ås, within June 25, 2014. Please quote reference number (15/05016).

Verified testimonies, certificates
Applicants invited for an interview will be asked to present confirmed copies of diplomas and certificates.

The position follows the Norwegian government pay scale A compulsory contribution of 2 % is made to the Norwegian Public Service Pension Fund. A good working environment is characterized by diversity. We encourage qualified candidates to apply, irrespective of gender, physical ability or cultural background. The workplace will if necessary be facilitated for persons with disabilities. According to the Freedom of Information Act § 25 the list of applicants for this position may be made public irrespective of whether the applicant has requested that his/her name be withheld.

The University of Maine Department of Wildlife, Fisheries, and Conservation Biology
ASSISTANT PROFESSOR OF HUMAN DIMENSIONS OF WILDLIFE CONSERVATION

RESPONSIBILITIES: This is a full-time (9 month/academic-year) tenure-track position in the Department of Wildlife, Fisheries, and Conservation Biology.

The candidate will develop a research and teaching program on the social science realm of fish, wildlife and habitat conservation. Candidates who can effectively bring social science tools to interdisciplinary research teams addressing emerging questions with local to global significance will be most competitive. An empirical component to research on the human dimensions of wildlife conservation and the policy aspects of wildlife and fisheries conservation as conducted by state and federal agencies, non-governmental organizations, and private landowners is desired. Knowledge of and
willingness to research and teach about conservation and recovery of endangered species and habitats in the context of federal and state legislation and multiple stakeholder objectives is also desirable but not required.

The candidate will be expected to develop an extramurally supported research program that is relevant to Maine and the northeastern U.S. and which is informed and recognized by researchers both nationally and internationally. We are especially interested in applicants who apply innovative approaches in research and teaching that will complement the Department’s current strengths and foster integrative approaches to solving complex problems. Collaborations with other scientists, governmental agencies, non-governmental organizations, and with private landowners are expected. The faculty appointment is 50% research and 50% teaching; teaching responsibilities will include primary responsibility for two senior-level courses: Human Dimensions of Fisheries and Wildlife Conservation (3 credits) and Wildlife Policy and Administration (3 credits). In addition, the candidate will be expected to teach an upper-level Endangered Species course (3 credits) and a graduate course in a relevant field of expertise in alternate years. This results in a three-course (up to 9 credit hours) annual teaching assignment plus undergraduate advising in academics and research. The faculty member is expected to have a strong interest in education, to advise and mentor undergraduate students, and to recruit and train graduate students, as well as serve on departmental, college, and university committees, be active in professional societies, and be committed to the Land Grant University missions of teaching, research, outreach, and public service. As such, the candidate will be expected to develop an approved research project and to hold a faculty appointment in the Maine Agricultural and Forest Experiment Station.

QUALIFICATIONS: A Ph.D. is required by date of hire in a relevant discipline along with significant training and research experience in the application of social sciences to natural resources management, especially fish and wildlife.

A proven track record of conducting high-quality scientific research, as evidenced by publications in peer-reviewed journals, is required. Other evaluated measures of potential for success, such as prior success in obtaining funding, college level instruction, professional presentations, mentoring, and track record of interdisciplinary collaboration.

TO APPLY: Materials must be submitted electronically through the Employment at UMaine website – https://umaine.hiretouch.com/applicant-login?jobID=31974. You will need to create a profile and application including a 1) cover letter, 2) curriculum vitae, 3) statements of teaching and research interests, 4) details of post-secondary course work (copies of transcripts or other listing), and 5) a list of six potential references including contact information and professional affiliation. Review of applications will begin February 15, 2016, and will continue until the position is filled. Incomplete applications cannot be considered.

Questions regarding the position should be sent to: Dr. Aram Calhoun, Chair of the Search Committee, wlefacultysearch@maine.edu with subject heading “Human Dimensions of Wildlife Conservation Search.”

The Biomedical Learning and Student Training (BLaST) program invites proposals for graduate mentoring research assistantships to enhance undergraduate mentoring in biomedical research. Graduate students at all participating institutions (UAF, UAS, and Ilisagvik) with interest in biomedical research are eligible to apply. We anticipate supporting up to 12 graduate students from this solicitation.

The overarching goal of BLaST is to enhance undergraduate training and mentoring in biomedical research through increased diversity of students, increased integration of research and teaching, and enhanced integration of rural campuses into a cohesive biomedical community in Alaska. Funding priority will be assigned to projects that directly enhance undergraduate student training and mentoring in biomedical research with a special emphasis on students from/in rural Alaska and healthrelated issues germane to the concerns of rural Alaskans. Eligible projects may be on-going graduate work or new projects that will start in Fall 2016. Based on these priorities the following criteria will be used for evaluating proposals:

1) scientific merit based on significance, innovation, and approach;
2) research training opportunities for undergraduate students;
3) biomedical or One Health relevance;
4) academic preparation of applicant;
5) mentoring experience and philosophy.

Additional preference will be given to projects that involve rural communities. The funding will cover tuition, fees, and a research assistantship for a one-year period, Fall, Spring & Summer for the 2016/17 academic year. Award recipients are expected to involve at least one undergraduate student in their project and mentor them in research throughout the award period.

Applications are due February 15, 2016

Graduate Student Internship Opportunity Summer 2016

The Human Dimensions Lab at the Water and Environmental Research Center (WERC-HD) is offering financial support in form of stipends for up to two graduate students for out of state internships focused on rural; water, energy or food policy.

To qualify students should have a fully planned internship, demonstrate support from their internship sponsor and support from their primary advisor. Products from the internship will include a short report and a 3-5 minute video documenting what you learned and how it is important to rural policy.

General Information:
Who: Up to two graduate students
What: Internships focused on rural policy
When: Summer 2016
Where: Outside of Alaska
Funding: Up to $7,000

Applications are due 5pm AKDT, March 15th 2016.

Email your application consisting of the following to the WERC-HD lab manager at stnorlin@alaska.edu: Curriculum Vitae
• Letter of support from primary academic advisor
• Letter of support from internship sponsor
• 2-3 page outline describing how proposed internship addresses rural policy

Please direct any questions about this opportunity to Sam Norlin at stnorlin@alaska.edu or Dr. Philip Loring at ploring@alaska.edu

GRANT OPPORTUNITIES/SCHOLARSHIPS/OTHER AWARDS

Attention all (yes, all!) Alaska National Park education and research staff. The Murie Science and Learning Center has new grants available to support your science projects and outreach programs. We are accepting applications for both from now until February 15, 2016.

MSLC Science Education Grants: These grants provide financial support for projects and programs that engage Alaska national park locals and visitors with park science. Previously called “Microgrants” the MSLC Science Education Grants are now available to applicants from all Alaska national parks, rather than northern parks only. Even more than in previous years, in 2016 we particularly encourage projects that serve youth of ages 5-25.

http://www.nps.gov/rlc/murie/microgrants.htm
**MSLC Research Grants**: New in 2016, we are pleased to offer financial support for one or two large research projects per year that increase the profile of park sciences and engage the public in new manners. The research can take place in any Alaska national park. The PI must work for the park service, but projects that engage or employ students and that forge partnerships are encouraged. This grant program is replacing the MSLC Program of Research Fellowships. Projects must be completed within two years and the total request cannot exceed $20,000. [http://www.nps.gov/rlc/murie/research-grants.htm](http://www.nps.gov/rlc/murie/research-grants.htm)

The UAF Scholarship deadline is February 15, 2016. Apply for scholarships through UAOnline [http://uaonline.alaska.edu](http://uaonline.alaska.edu). Go to Student Services and click on Scholarships then follow the step-by-step instructions to apply for most scholarships available at UAF.

“Adaptation: Tides of Change” will convene March 9–12, 2016 in Dillingham, Alaska


Call for Papers and Registrations

Abstracts are due by January 31 to Tara Borland (taborland@alaska.edu). See the call for papers [https://seagrant.uaf.edu/conferences/waisc/2016/call-for-papers.html](https://seagrant.uaf.edu/conferences/waisc/2016/call-for-papers.html) for more information. Participants can register online. [https://seagrant.uaf.edu/conferences/ssl/register.php?id=245](https://seagrant.uaf.edu/conferences/ssl/register.php?id=245)

Travel Funding

Since the first WAISC in 2008, Alaska EPSCoR [https://www.alaska.edu/epscor/](https://www.alaska.edu/epscor/) has provided individual grants to offset the cost of participant travel.

Alaska EPSCoR is making available a small number of travel awards of up to $1500/person for University of Alaska—affiliated individuals to attend the WAISC in Dillingham. Travel funds are restricted to those individuals engaging in domestic travel (within the United States of America, its Territories and Possessions).

Applications are due by midnight January 18, 2016. To apply, submit the online application for Alaska EPSCoR travel grant [http://goo.gl/forms/q0haA6Acfn](http://goo.gl/forms/q0haA6Acfn).

Decisions for funding will be communicated by January 26, 2016. If awarded, travelers will be required to comply with UA policy and regulation.

12/28/15

Alaska NSF EPSCoR Seed Grants Application Period Open

Proposals are being accepted, due date February 26, 2016

The Alaska NSF Experimental Program to Stimulate Competitive Research (EPSCoR) is soliciting proposals for seed grants of up to $30,000 from early- and mid-career, full-time faculty members of the University of Alaska system to carry out new and innovative research projects that support the program’s goals. Faculty members who have not previously received EPSCoR funding and wish to collaborate are strongly encouraged to apply.

Projects should address themes relevant to the current Alaska NSF EPSCoR program, which is to enhance Alaska’s research capacity in social-ecological systems science, and to provide the state’s communities with tools and information to respond to changing environments.

For a complete details and the application packet, please visit [http://www.alaska.edu/epscor](http://www.alaska.edu/epscor)

12/28/2015
COURSES

RD F655 (DD1) Circumpolar Health Issues, CRN 38551
Spring 2016  3 credits
Judith Ramos  jramos2@alaska.edu
Wednesdays, 5:10 – 8:10 pm

This course provides a comprehensive overview of major circumpolar health issues affecting Northern residents. Includes an analysis of health and traditional healing practices prior to contact. Examines the emergence of chronic diseases, problems of alcohol abuse and violence, efforts to combine traditional healing practices and Western medicine. Includes environmental health issues, including water, sewer and food contamination. Overview of healthcare systems and public health infrastructure in the North. Prerequisites: Graduate standing or instructor permission.

Northern Studies F611 UX1 American Environmental History  CRN: 38692
Spring 2016  3 credits
Distance delivered
Diana DiStefano, ddistefano@alaska.edu

Course Description:
This class explores major themes in American Environmental History (1500-present) by posing three main questions: How have Americans interacted with their landscape? What were the consequences of those interactions? How have environmental ethics changed over time and why? More specifically, this class looks at different Americans’ conceptions of land use and natural beauty, the impacts of an industrial economy, and efforts to preserve or protect wilderness. Our examination begins with the arrival of Euro-Americans in North America, continues onto how industrialization changed Americans’ relationship with the environment, and extends through the environmental justice movements and issues of global climate change in the present. This will allow us to look both analytically and critically at our changing relationship with the environment.

NRM641 Remote Sensing Applications Using ArcGIS
Spring 2016  3 credits

COURSE GOALS:
1) To learn basic image processing methods using ArcGIS including panchromatic and color image display, image fusion, image georeferencing, change detection methods, supervised and unsupervised classification, and accuracy assessment methods.

2) To learn about sensors especially applicable to vegetation applications in Alaska including color infrared aerial photography, LIDAR, IFSAR,Landsat, MODIS, and AVHRR sensors and data products.

3) To use ArcGIS to explore changes associated with climate warming in Alaska including greening of the arctic, browning of the boreal forest, mapping wildfire severity and hotspots, mapping shrinking lakes and coastal erosion, etc.

I will be teaching this as a distance-delivery class, primarily via taped video sessions and weekly ArcGIS assignments. https://elearning.uaf.edu/course-details-2/?crn=37176
if interested please email: dlverbyla@alaska.edu

WLF 694  Decision Analysis for Conservation
Spring 2016  3 credits
CRN 39298 or 39299

I will be offering a new graduate class (WLF 694) during the spring 2016, which will be of interest to students who want to learn more about how to use science to inform conservation and management decisions. Decision Analysis for Conservation will introduce students to the theory and application of structured decision making (depicted below) and
adaptive management for conservation problems. Knowledge and skills in this field have been identified as essential for future success by a number of leaders in our profession and as a result the US Fish and Wildlife Service has been offering training to agency employees through the National Conservation Training Center (NCTC). WLF 694 is a 3 credit class based largely on the introduction to structured decision making class offered through the NCTC. I recently participated as an instructor for 2 decision analysis workshops offered by NCTC and worked with international leaders in the field both in the US and Australia. I will bring those experiences to the classroom.

The course will meet TR 11:30 am -1:00 pm in Murie 105 and the class will include lectures, computer exercises, and group discussions. Required texts are:


Grades will based on homework assignments (50%), which will be completed during the first half of the semester, and a term project, which will be application of decision analysis to a real issue and oral presentation of that application. The syllabus, which is undergoing final approval, is available upon request. Please contact Mark Lindberg, mslindberg@alaska.edu with additional questions.

OTHER

Beginning January 19
Entrepreneurs trying to start or expand a small business may benefit from a series of 11 workshops offered at the Small Business Development Center in Fairbanks and by webinar around the state.

The University of Alaska Fairbanks Cooperative Extension Service and the Alaska Small Business Development Center will host the series, which will also be offered by Web conference at the Anchorage district Extension office. Workshops will be offered from 5:30-7:30 p.m. Tuesdays, except for the Thursday, Jan. 28 session, and will run through April 5.

Extension economic development specialist Kathryn Dodge said the workshops will provide guidance to small business owners on budgeting, bookkeeping, insurance, taxes, payroll, marketing and more. Topics include:
Jan. 19, Choosing a bookkeeping program/best practices
Jan. 26, Business insurance for small businesses
Jan. 28, Taxes for commission-based workers
Feb. 2, Budgeting/cash-flow planning
Feb. 9, Credit/debt management
Feb. 16, Living within your means
Feb. 23, Payroll for small businesses
March 8, Interpersonal communications
March 15, Marketing
March 29, Customer service
April 5, Time management

Each class costs $25. Register online at http://bit.ly/ces-workshops. The business development center in Fairbanks is located at 3750 Bonita St., in the Associated General Contractors building, and the Anchorage Extension office is at 1675 C St. Anyone who wishes to connect by desktop may contact Dodge at 907-474-6497 or kdodge@alaska.edu
More details about the classes are available at www.uaf.edu/ces/sbd. Instructors will include accountant Kelly Ward, Grace Becker and Brittany Hale of Hale and Associates, consultant Nadine Winters, Charlie Dexter of the UAF Community and Technical College, and Dodge.

Sponsors include the Fairbanks Economic Development Corp., the Small Business Administration, Robinson and Ward, the Fairbanks Chamber of Commerce and Alaska SCORE, a nonprofit organization dedicated to mentoring small businesses.

<table>
<thead>
<tr>
<th>The University of Alaska Museum of the North is recruiting volunteer docents for its school tour programs this semester.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Docents lead activities for elementary school groups using the museum’s hands-on collection to teach students about science, culture and art. No prior teaching experience is necessary. Credit is available through the University of Alaska Fairbanks.</td>
</tr>
<tr>
<td>For more information or to register for the training, which takes place Jan. 19-29, call 907-474-5360 or e-mail <a href="mailto:ua-museumlearn@alaska.edu">ua-museumlearn@alaska.edu</a>. ON THE WEB: <a href="http://www.uaf.edu/museum">www.uaf.edu/museum</a></td>
</tr>
<tr>
<td>Share Your Story on What Alaskans Are Doing To Ensure a Healthy Environment for Future Generations</td>
</tr>
<tr>
<td>EPA recently announced a new project, Alaskan Voices on Climate, to collect and disseminate videos from Alaskans which demonstrate the impacts of a changing climate on Alaska today. EPA invites Alaskans from all walks of life to submit videos, filmed in Alaska, that illustrate:</td>
</tr>
<tr>
<td>How changes in climate are affecting Alaskan communities</td>
</tr>
<tr>
<td>How those changes have made a difference in the way Alaskans live, work, or play</td>
</tr>
<tr>
<td>What lessons you can share about becoming more resilient that would help other communities</td>
</tr>
<tr>
<td>Anything else about the changes you and your community are experiencing and the actions you are taking</td>
</tr>
<tr>
<td>Send 30- to 90-second videos to EPA - via Twitter, Facebook, or email. We’ll share our favorite videos on Facebook, Twitter, EPA’s website, our Alaska InfoBox, and other Alaska channels.</td>
</tr>
<tr>
<td>Read more about the guidelines for participating and instructions for submitting a video. <a href="http://www.epa.gov/ak/alaskan-voices-climate#participate">http://www.epa.gov/ak/alaskan-voices-climate#participate</a></td>
</tr>
<tr>
<td>Got questions? Please e-mail: <a href="mailto:epa-seattle@epa.gov">epa-seattle@epa.gov</a>. We can’t wait to see what you submit!</td>
</tr>
</tbody>
</table>

Please send suggestions, announcements, etc. to Mary van Muelken, mavanmuelken@alaska.edu