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FORMAT 1

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500). See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures/> for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	RECR	College/School	CTC/CRCD
Prepared by	M. Strohmaier	Phone	2836
Email Contact	mstrohmaier@alaska.edu	Faculty Contact	Mahla Strohmaier

1. ACTION DESIRED (CHECK ONE): Trial Course New Course

2. COURSE IDENTIFICATION: Dept Course # No. of Credits

Justify upper/lower division status & number of credits:

3. PROPOSED COURSE TITLE:

4. To be CROSS LISTED? YES/NO If yes, Dept: Course #

(Requires approval of both departments and deans involved. Add lines at end of form for additional required signatures.)

5. To be STACKED? YES/NO If yes, Dept. Course #

Stacked course applications are reviewed by the (Undergraduate) Curricular Review Committee and by the Graduate Academic and Advising Committee. Creating two different syllabi—undergraduate and graduate versions—will help emphasize the different qualities of what are supposed to be two different courses. The committees will determine: 1) whether the two versions are sufficiently different (i.e. is there undergraduate and graduate level content being offered); 2) are undergraduates being overtaxed?; 3) are graduate students being undertaxed? In this context, the committees are looking out for the interests of the students taking the course. Typically, if either committee has qualms, they both do. More info online – see URL at top of this page.

6. FREQUENCY OF OFFERING:

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) — or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING (AY2013-14 if approved by 3/1/2013; otherwise AY2014-15)

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the core review committee.

COURSE FORMAT: (check all that apply) 1 2 3 4 5 6 weeks to full semester

OTHER FORMAT (specify)

Mode of delivery (specify lecture, field trips, labs, etc)

9. CONTACT HOURS PER WEEK: LECTURE hours/weeks LAB hours /week PRACTICUM hours /week

Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/guidelines-for-computing-/> for more information on number of credits.

OTHER HOURS (specify type)

10. COMPLETE CATALOG DESCRIPTION including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

Example of a complete description:
FISH F487 W, O Fisheries Management

3 Credits Offered Spring

Theory and practice of fisheries management, with an emphasis on strategies utilized for the management of freshwater and marine fisheries. *Prerequisites: COMM F131X or COMM F141X; ENGL F111X; ENGL F211X or ENGL F213X; ENGL F414; FISH F425; or permission of instructor. Cross-listed with NRM F487. (3+0)*

RECR F160M Advanced Fly Fishing and Fly Tying
1 credit Offered As Demand Warrants

Building on REC F140M, students will learn how to more accurately use a fly rod, tie big-game fishing knots, construct furred leaders, and plan fly fishing trips, as well as how build and create fishing flies using advanced techniques. Information on Alaskan freshwater fish, habitat, entomology, and stream ecology will be covered as applicable. (0+3)

11. COURSE CLASSIFICATIONS: Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities

S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? If YES, attach form.

YES:

NO:

X

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, Format 6

W = Writing Intensive, Format 7

Natural Science, ("X" for Core) Format 8

11.A Is course content related to northern, arctic or circumpolar studies? If yes, a "snowflake" symbol will be added in the printed Catalog, and flagged in Banner.

YES

NO X

12. COURSE REPEATABILITY:

Is this course repeatable for credit?

YES

NO X

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit?

TIMES

If the course can be repeated for credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

13. GRADING SYSTEM: Specify only one. Note: Later changing the grading system for a course constitutes a Major Course Change.

LETTER:

PASS/FAIL: X

RESTRICTIONS ON ENROLLMENT (if any)

14. PREREQUISITES

RECR F140M or RECR F140N or Permission of Instructor

These will be required before the student is allowed to enroll in the course.

15. SPECIAL RESTRICTIONS, CONDITIONS

None

16. PROPOSED COURSE FEES

\$45

Has a memo been submitted through your dean to the Provost for fee approval?

Yes/No

Y

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously?

Yes/No

Y

If yes, give semester, year, course #, etc.:

Spring 13, Fall 13

18. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

There is no estimated impact from offering this course on budget, facilities or faculty.

19. LIBRARY COLLECTIONS

Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

No Yes No impact on library collections.

20. IMPACTS ON PROGRAMS/DEPTS

What programs/departments will be affected by this proposed action? Include information on the Programs/Departments contacted (e.g., email, memo)

There are no expected impacts on other programs or departments.

21. POSITIVE AND NEGATIVE IMPACTS

Please specify positive and negative impacts on other courses, programs and departments resulting from the proposed action.

Positive impacts include a RECR course that students appreciate given Alaskan geography.

JUSTIFICATION FOR ACTION REQUESTED

The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

There is a demand for continuation of this course from our students. There previously was an Advanced Fly Fishing course, but it was not offered for several semesters and deleted as a moldy course. There has been a resurgence in interest in an Advanced Fly Fishing course.

APPROVALS: Add additional signature lines as needed.

Mahla Johnson Date 9-19-13
Signature, Chair, Program/Department of: RECR/CTC

S. Husted Date 9-20-13
Signature, Chair, College/School Curriculum Council for: CTC

Michelle Stalder Date 9/23/13
Signature, Dean, College/School of: CTC

Hester Prunty Date 10/8/13
Signature, Dean, College/School of: CRCD

Offerings above the level of approved programs must be approved in advance by the Provost.

Signature of Provost (if above level of approved programs) Date

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

Signature, Chair Date

Faculty Senate Review Committee: ___Curriculum Review ___GAAC
___Core Review ___SADAC

ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)

	Date	
--	------	--

Signature, Chair, Program/Department of:

	Date	
--	------	--

Signature, Chair, College/School Curriculum Council for:

	Date	
--	------	--

Signature, Dean, College/School of:

ATTACH COMPLETE SYLLABUS (as part of this application). The guidelines are online:

<http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/uaf-syllabus-requirements/>

The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied.

SYLLABUS CHECKLIST FOR ALL UAF COURSES

During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:

Title, number, credits, prerequisites, location, meeting time
(make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:

Name, office location, office hours, telephone, email address.

3. Course readings/materials:

Course textbook title, author, edition/publisher.

Supplementary readings (indicate whether required or recommended) and

any supplies required.

4. Course description:

Content of the course and how it fits into the broader curriculum;

Expected proficiencies required to undertake the course, if applicable.

Inclusion of catalog description is *strongly* recommended, and

Description in syllabus must be consistent with catalog course description.

5. Course Goals (general), and (see #6)

6. Student Learning Outcomes (more specific)

7. Instructional methods:

Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

8. Course calendar:

A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

9. Course policies:

Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

10. Evaluation:

Specify how students will be evaluated, what factors will be included, their relative value, and how they will be tabulated into grades (on a curve, absolute scores, etc.) Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but may be a convenient way to publicize this.) Faculty Senate Meeting #171:

<http://www.uaf.edu/uafgov/faculty-senate/meetings/2010-2011-meetings/#171>

11. Support Services:

Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

12. Disabilities Services: Note that the phone# and location have been **updated**.

The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials.

State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.

8/1/2012

RECR F193P – Advanced Fly Fishing & Fly Tying

COURSE INFORMATION:

Title: Advanced Fly Fishing & Fly Tying

Department/Number: RECR f193P

Credits: 1

Prerequisites: Passing grade in RECR 140M or RECR 140N or permission of instructor

Location: 103 Irving I and other sites To Be Determined

Meeting Dates/Time: Mondays, 6-9 pm

INSTRUCTOR INFORMATION:

Name: Shann Paul Jones

Office Location: 809 Pioneer Road, Fairbanks **Office Hours:** By appointment

Telephone/Email: (907) – 459-1349 / (907) – 452-0588 / spjones@alaska.edu

COURSE READINGS/MATERIALS:

Course Textbook: Leeson, Ted & Schollmeyer, Jim. 2006. *The Benchside Introduction to Fly Tying*. Frank Amato Publications, Inc., ISBN 10: 1-57188-369-X; ISBN 13: 978-1-57188-369-8

Supplementary Readings: Handouts to be supplied by instructor

Course Fee: \$45

Any Supplies Required: To be supplied by instructor via UAF-CTC

COURSE DESCRIPTION:

This course builds upon students' previous exposure to the art and science of fly casting, fishing and tying from prerequisite course work. Students will learn how use a fly rod to place a fly with pinpoint accuracy at long distances, tie big-game fishing knots and construct their own furled leaders, and, most importantly, how to plan a fly fishing trip. This course also introduces students to the advanced artistic skills of fly tying, and provides participants with the necessary knowledge to make educated fly tying material selections. Participants will also learn how build and create fishing flies using advanced fly tying techniques. Scientific information on Alaskan freshwater fish, habitat, entomology, and stream ecology will be covered in the context of tying advanced fishing flies, and advanced fly fishing techniques. This class can be used to fulfill the requirements of an A.A.S. Degree in Applied Business with a Recreation and Tourism emphasis.

GENERAL DESCRIPTION OF GOALS

The general goals for students upon successful completion of this course include:

- 1) To relate fly tackle selection to fish species;
- 2) To wrap a guide on a fly rod;
- 3) To build their own furled leader;
- 4) To be able to select fly tying materials from hides, pelts and bird skins
- 5) To learn fly cast accurately to 50 feet;
- 6) To learn the single-haul and double-haul casts;
- 7) To be able to construct properly proportioned fishing flies that are aesthetically pleasing and maintain their structure after repeated fish strikes;
- 8) To be able view a body of fresh water. be able to identify the most likely areas where fish live and explain why fish prefer these habitats;
- 9) To critically select proper fishing flies for various angling situations and explain the rationale;
- 10) To demonstrate proper fish cleaning and preservation techniques;
- 11) To observe and understand the behavior of Alaska freshwater sport fish; and,
- 12) To hook, land and release a fish on a fly.

STUDENT LEARNING OUTCOMES/OBJECTIVES:

You will learn:

- 1) Fly-fishing tackle repair;
- 2) Single-haul fly casting technique;
- 3) Double-haul fly casting technique;
- 4) Basic fly line mending technique;
- 5) Advance knots used in salt-water and salmon fly fishing;
- 6) To build furled fly-fishing leaders;
- 7) The advanced use of fly tying tools;
- 8) The advanced selection and preservation of fly tying materials;
- 9) To construct various styles of fishing flies that are aesthetically pleasing, imitate and will maintain their integrity after repeated fish strikes;
- 10) How to identify Alaskan sport fish and their habitats;
- 11) How to clean and preserve harvested fish; and,
- 12) How to hook, land, and release a fish on a fly.

INSTRUCTIONAL METHODS:

Roughly one-quarter lecture and three-quarters hands-on laboratory and field exercises.

Preliminary Class schedule – subject to change:

<u>Date</u>	<u>Lecture</u>	<u>Laboratory/Field Activity</u>
Week 1	Introduction and advanced fishing flies.	Fly tying tools & their use. Tie: Popsicle (Soft Hackle Streamer, p.159A)
Week 2		Tie: Copper John nymph Flashback Pheasant Tail Nymph (p.28A)
Week 3		Tie: Black Quill Wet Fly Whitlock Squirrel Nymph
Week 4		Tie: Spruce Fly Muddler
Week 5		Tie: Stimulator Royal Wulff
Week 6		Tie: Humpy Black Gnat (Quill Wings)
Week 7	Fly tying test due at the end of the class	Tie: Selected test fly – TBD Tying salmon fly – Howard's Hammer
Week 8	Will be held at Old Univ. Park School, Room 154.	Special presentation by Alaska Cooperative Extension on how to clean, prepare (cook) and preserve fish/ Fly Casting
Week 9	Where to find fish in moving and still waters. Fly fishing tactics	Kinesthetic Physics of Fly Casting
Week 10	"Fish Stories Due"	Salt water and big game fly fishing knots and building furred leaders.
Week 11	Casting on open water on Chena River near Loftus Rd	Single-haul & double-haul fly casting techniques please have rods ready to cast by 6:30 pm
Week 12	Field trip to Badger Slough at Peede Road	Dry fly casting and mending on water. Plan to fish by 6:30 pm.
Week 13	Stream ecology field trip to Badger Slough at Peede Rd.	Streamer fishing techniques to include retrieves. Plan to fish by 6:30 pm.
Week 14	Casting on open water on Chena River at Pike's Landing	Shot and indicator nymph fishing. Plan to fish by 6:30 pm.

COURSE POLICIES:

- 1) **To engage in actual fishing students shall provide their own current State of Alaska sport fishing license. Otherwise, students without licenses must use a hook-less fly, and will not be penalized for not having a license. Non-resident students can purchase one-day licenses at their own discretion.**
- 2) Students must arrange their own transportation to the laboratory exercises (unless otherwise arranged). Labs may be held during inclement weather. Students must provide their own appropriate field clothing, boots and raingear. Students must also provide their own eye protection.
- 3) Students must return all borrowed equipment and books. Examples of items include: fly rods, reels, lines, fly tying tools, tying thread and tying wax. Students will be assigned a set of fly tying tools and supplies for the first half of the course. Students may take these tools out of class to hone learned skills; however, they must come to class with their own tool set. Students must be approved by instructor to remove tools and/or supplies from the classroom.
- 4) Attendance – Course attendance is used as part of each student’s evaluation/grading (see below). Students should contact the instruction with an e-mail (spjones@alaska.edu or flyfishing@alaska.edu) if they predict they will miss class or the day after they miss class. Under verifiable circumstances (e.g., family emergency, extended illness, employment conflict, military service, dead vehicle, etc.), a student who misses class may be mark as “Excused” instead of “Absent” at the instructor’s discretion. An “Excused” mark will not adversely affect her/his grade if the student contacts the instructor within three calendar days of the absence.
- 5) Tardiness – students should make every effort to be on time; class starts promptly at 6 pm. If a student thinks s/he may arrive late, s/he should attempt to contact the instructor, especially when the course meets away from UAF.
- 6) Class participation – students are expected to actively participate in class. Students found texting, web browsing or engaging in social networking on cell phones during class time will be given one warning, after that, they will receive a “zero” score for attendance/participation for that session. This same rule applies to students who are disrupting class, using foul language or in any way (the instructor perceives) negatively impacts another student’s opportunity to learn.
- 7) Make-up classes – see class schedule. Otherwise, by arrangement with instructor
- 8) Quizzes/Exams – All quizzes and exams are open book, open note, open web and open “neighbor” (collaboration is allowed and encouraged).
- 9) Plagiarism – for the Practical Fly Tying Exam and/or paper. Students are expected to submit their own, original work. Students who attempt to submit a fly that they did not tie will be given a score of zero on the fly tying exam.

EVALUATION:

Students must achieve a mark of 70 or better from each of the following to pass the class:

- 1) Attend and actively participate in lectures and laboratories exercises (56 percent of grade, four (4) percent per session;
- 2) Students will identify a river, stream or lake, a place and make the class aware of the associated fishing potential (20 percent total; 10 percent oral, 10 percent written).

Items to evaluate when completing this requirement include but not limited to:

- ❖ Where it is (how to get there)
- ❖ Local limnological conditions
- ❖ Tackle requirements
- ❖ Local favorite fly patterns
- ❖ Expected fishing results
- ❖ What are the seasons/regulations
- ❖ Realistic estimated costs for a self-guided trip.

This is an individual project. Site selection must be defined by before Spring Break. Informal presentations will be on Monday, April 8. A presentation is required; moreover, it's good for students to tell fishing stories in front of a group of their peers. A summary paper is required; however, it can be in electronic format.

- 3) Practical fly tying exam (24 Percent). The exam will be in class.

SUPPORT SERVICES:

Student support services are available through the UAF Community and Technical College's (CTC) facilities at the corner of 7th Avenue and Barnette Street, Fairbanks. The course instructor is available by appointment for students needing extra help with coursework for this class.

DISABILITIES SERVICES:

UAF has a Disability Services office that operates in conjunction with the College of Rural and Community Development's (CRCD) campuses and UAF's Center for Distance Education (CDE). Disability Services, a part of UAF's Center for Health and Counseling, provides academic accommodations to enrolled students who are identified as being eligible for these services.

If you believe you are eligible, please visit <http://www.uaf.edu/disability> on the web or contact a student affairs staff person at your nearest local campus. You can also contact Disability Services on the Fairbanks Campus at (907) 474-5655 or (907) 474-1827 TTY, fydso@uaf.edu, Whitaker Building rm. 208.

Budget – Advanced Fly Fishing

\$10 - field trip insurance (per UA Risk Management)

\$7 - Fly fishing tackle replacement and maintenance

\$3 - UA Cooperative Extension presentation on safe fish handling

\$15 - Fly tying materials

\$10 - Field trip vehicles

Total Fee per student: \$45

Curriculum Vitae

Shann Paul Jones

Instructor of Sporting, Leisure & Outdoors Activities, University of Alaska Fairbanks (UAF)
P.O. Box 750134, UAF; Fairbanks, Alaska 99775-0134
(907) 452-0588 (home) (907) 460-1383 (cell)
email: spjones@alaska.edu

EDUCATION

Master of Arts, University of Alaska Fairbanks, (2009), Aquatic & Environmental Education
Thesis: *Analysis and Application of Adult Angler/Aquatic Education Lesson Choices*

Bachelor of Science, University of Alaska Fairbanks, (1999), Mining Engineering

TEACHING EXPERIENCE

University of Alaska (UA) Courses/Workshops Developed and Taught

Summer Sessions Fly Fishing Weekend; 2004-present

Advanced Fly Fishing / Fly Tying; Spring 2013-present

Alaskan Fly Fishing and Tying, Fall 2006-Fall 2009; Fall 2011-present

Introductory Fly Casting & Fly Tying; Fall 2003-Spring 2009; Spring 2011-present

Science Behind Fly Fishing; 2005-2010

Fly Fishing & Fly Tying Basics; Spring 2007-08

Gold Prospecting Weekend; 2005-2007

Rock, Gem & Gold Seekers Primer; Spring 2006

Surface Mining Operations; Spring 2006

Mineral & Rock Identification; 2006

Intermediate Fly-fishing & Tying; Fall 2004 and Fall 2005

Fundamentals of Fly-fishing; 2002-2005

4-H Rock and Mineral Identification; Fall 1999

Adult/Child Rock and Mineral Identification; Fairbanks, Alaska: 1993-1999

Geophysical Prospecting; UAF Mining Extension; Fall 1998 & Spring 1999

MSHA Surface Mine New Miner Training; UAF Mining Extension; 1993-1994

MSHA Surface Mine Refresher Training; UAF Mining Extension; 1993-1994

Other Short Course, Workshop & Teaching Assistant Duties

Aquatic Resources Education and Ecology for Children, Midnight Sun Fly Casters' Kids Camp; Two Rivers, Alaska; 2006-2008 and 2012

Alaska 4-H Fly-fishing Mentorship Program; Statewide; 2004-present

Becoming an Outdoors-Woman (BOW) *Fly Fishing Workshop*; Willow, Alaska; 2006-07

Aquatic Ecology for Children, Camp Habitat; Fairbanks, Alaska; 2007

Tri-Valley High School *Intensive Outdoor Education*; Healy, Alaska; May 15-16, 2007

Beyond BOW *Women's Fly Fishing Workshop*; Fairbanks, Alaska; May 2006

Basic Fly Tying, BOW Workshop; Fort Wainwright, Alaska; Sept 30, 2005

Beginning Fly Fishing, BOW Workshop; Fort Wainwright, Alaska; October 1-2, 2005

Adult/Child Fly Tying Workshop with AK Dept. of Fish & Game; Fairbanks, Alaska: 2004

Introduction to Fly Casting, BOW Workshop; Lost Lake, Alaska; August 20-21, 2004
Beginning Fly Fishing, BOW Workshop; Lost Lake, Alaska; August 21-22, 2004
Basic Prospecting UAF Mining Extension; 1993 – 1999 (each fall and spring term)
Rock & Mineral Identification; UAF Mining Extension; 1992 – 1999 (each fall & spring)
Gold Prospecting; UAF Mining Extension; 1992-99 (each fall, spring and summer term)
Advanced Geochemical Testing; UAF Mining Extension; 1993-94
Mineral Evaluation; UAF Mining Extension; 1993-94

PERTAINENT EMPLOYMENT

January, 2002 - Present	Instructor, UAF Summer Sessions, and Community & Technical Campus; University of Alaska Fairbanks (UAF)
January, 2011 - Present	Instructor, Outdoor Studies Program; Prince William Sound Community College (PWSCC)
August, 2011 - Present	Assistant Project Manager, Public Works Department, Fairbanks North Star Borough
September, 2008 – April 2012	Environmental Services Manager, Rockwell Engineering
March, 2000 – April 2008	Science Assistant, UAF Geophysical Institute
August, 1992 – March 2000	Geoscience Technician / Instructor, Alaska Cooperative Extension
October, 1984 - October 1990	Public Relations Specialist/Editor, U.S. Army

SCHOLARLY & RESEARCH ACTIVITY

Conference/Professional Meeting Presentations

Lessons from Latitude 65: A Scholarly, Systematic Approach to Fly Tying Instruction; Federation of Fly Fishers International Fly Fishing Fair; Spokane, Washington; July 13, 2012

Fly Fishing as a Multi-Discipline Outdoor Education Activity; 37th Annual Conference of the Association for Experiential Education; Vancouver, Washington; November 9, 2008

Sport Casting: An Interdisciplinary Physical Activity; Alaska Association for Health, Physical Education, Recreation & Dance (AKAHPERD) Convention; Anchorage, Alaska; November 9-10, 2007

Adult Aquatic/Angler Education Program Delivery in Alaska's Second-Largest City; Urban Fishing Symposium, 136th American Fisheries Society (AFS) Annual Mtg.; San Francisco, California; September 4, 2007

Successful Adult Angler/Aquatic Education Program Delivery Through Effective Partnerships; American Association for Physical Activity and Recreation (AAPAR); Coeur d'Alene, Idaho; July 28, 2007 **and** at the 32nd Meeting of the Alaska Chapter of AFS, Aquatic Education Session; Fairbanks, Alaska; November 15, 2006

Place-based Adult Science Education Program Development in Denali National Park, Alaska (Phase 2); Arctic Division of the American Association for the Advancement of Science Annual Conference; Fairbanks, Alaska; October 2-4, 2006

Adventures in Responsibility: Teaching Responsibility through Adventure Education; AKAHPERD Convention; Fairbanks, Alaska; September 30, 2006

Casting: A Recreation Program for Everyone; AKAHPERD Convention; Fairbanks, Alaska; Sept. 29, 2006

Factoring Gender and Age into Adult Outdoor Recreation/Education Program Development; Aquatic Resources Education Assoc. Conference; Hot Springs, Arkansas; Sept. 25, 2006

Factoring Angler Experience into Aquatic Education; AFS Western Division Annual Meeting; Bozeman, Montana; May 18, 2006

Science-Based Outdoor Recreation Education Development in Denali National Park, Alaska; AAPAR National Convention; Salt Lake City, Utah; April 27, 2006

The Kinesthetic Physics of Fly Casting; 2006 American Alliance for Health, Physical Education, Recreation & Dance Nat'l Convention; Salt Lake City, Utah; April 27, 2006

Joining Physics and Physical Education through Fly Casting; AKAHPERD; Anchorage, Alaska; November 11, 2005

Fly Fishing Education: A Balanced Formula for Adults, (Phase I); 135th AFS Annual Mtg.; Anchorage, Alaska; September 12, 2005

Alaskan Sport Fishing Education: Now & The Future; Alaska Outdoor Council Annual Meeting; Anchorage, Alaska; April 8, 2005

North American Post-Secondary Sport Fishing Education: An Overview; Northwest District Convention of AAHPERD; Gresham, Oregon; March 17-19, 2005

Grants, Research Projects and Funded Activities

Science of Fly-fishing; funded by the Alaska Natural History Association/Alaska Geographic; 2005 – 2010

A Balanced Formula for Adult Fly-fishing Education; 2004 – 2009

Aquatic insects of Alaska; 2003-current

UAF Summer Sessions Faculty Travel Grant, funded annually 2002 – 2008, & 2010 - present

2006 Fairbanks Outdoor Show Seminar Series; funded by SMG Alaska; 2006

North American post-secondary sport fishing education; 2004 – 2005

An Overview of American Adult Post-Secondary Fly Fishing Education; 2002 – 2004

PUBLICATIONS

Peer-Reviewed Published Abstracts, Articles, Papers & Reviews

Joining Physics and Physical Education through Fly Casting; 2009

Adult Aquatic/Angler Education Program Delivery in Alaska's Second-Largest City; Proceedings Urban Fishing Symposium, 137th American Fisheries Society (AFS) Annual Meeting; San Francisco, California

Teach a Man to Fish; June 2006 issue of Parks & Recreation-Official Publication of the National Recreation and Park Association (NRPA)

Bulletins, Field Guides and Reports of Investigation

Supplemental Bulletin: *Beyond Becoming an Outdoors-Woman (BOW) Alaska Southcentral, Alaska Fly Fishing Weekend handbook*; 2007

Supplemental Bulletin: *UAF Summer Sessions Fly Fishing Weekend handbook*; 2007
Supplemental Bulletin: *Beyond BOW Alaska Fly Fishing Weekend handbook*; 2006
Supplemental Bulletin: *The Kinesthetic Physics of Fly Casting*; April 2006
Supplemental Bulletin: *Joining Physics and Phys Ed through Fly Casting*; Nov. 2005
Report of Investigation: *Proposed Certificate and A.A.S. degree programs in Outdoor Recreation Services at the University of Alaska Fairbanks – Tanana Valley Campus*; 2005
A Study Guide for the Mining Extension Geophysical Prospecting Short Course. 1999.
Fairbanks, Alaska: Alaska Cooperative Extension Service
A Modern Entry-Level Course in Geophysical Prospecting & Exploration Techniques. 1999.
Fairbanks, Alaska: Alaska Cooperative Extension Service

Publications in Magazines, Newspapers and Quarterlies

Fish Alaska Magazine; magazine published in Anchorage, Alaska.

Vol. 7, Issue 6, July 2007, pgs 17-26 — *Aquatic Education in Alaska*

Northwest fly fishing; quarterly magazine published in Seattle, Washington.

Vol. 7, Number 4, Winter 2006, pgs 10-11 — *Notes, News & Reviews: Chatanika River, AK*

Special Awards Earned

Honorable Mention; *America's Top-10 Fly-Fishing Colleges*; as featured in Fly Rod & Reel;
Volume 27, Number 4; pgs. 52-55

SERVICE

Membership and Participation in Professional Organizations:

Aquatic Resources Education Association (AREA); 2005 – present

International Fly Fishing Association; 2004 – present

Public Appearances, Clinics, Demonstrations, Seminars & Speeches

Aquatic Resources Education instruction at the Alaska Department of Fish and Game's Kids' Day; 2005 – present

Alaska Public Lands Information Center seminar *Interior Alaska Fly Fishing & Gold Prospecting*; 2005 – 2007

Alaska Department of Fish & Game's (ADF&G) Egg-Take Festival; 2006

KIAK (radio) Weekly Fishing Report and "Tip of the Week"; 2005 – 2006

Community Contributions/Professional Service

Fairbanks-Fort Wainwright Program Lead, Project Healing Waters Fly Fishing ®; 2012 – present.

Outdoor education program development consultation for Simpson University of Redding, California; 2008

Physical education and outdoor education program development consultation for Santiam Crossing boarding school of Scio, Oregon; 2008

Outdoor education program development consultation for Chattanooga State Technical College of Chattanooga, Tennessee; 2006 – 2007

Ad-hoc reviewer for *Guide to Fishing and Boating with Children* (first and last sections) to be published by the Future Fisherman Foundation; 2006.

Physical education program development consultation for The Bush School (private) of Seattle, Washington; 2006

Midnight Sun Fly Casters; Fairbanks, Alaska; 2002 – present. Board of Directors, Treasurer, Communications Committee Chairman, Youth and Adult Aquatic Resource Education Committee Chairman