OSHER LIFELONG LEARNING INSTITUTE

For Curious Minds of All Ages with Special Attention to Those Ages 50 and Better.

Fall 2017
www.isher.colostate.edu
Learn for the Fun of It

The Osher Lifelong Learning Institute at Colorado State University is an active learning community for curious minds of all ages, with special attention to those ages 50 and better. Osher offers the excitement and joy of learning in a stress-free atmosphere. There are no tests, no grades, and no prerequisites.

In partnership with the Bernard Osher Foundation, Osher at Colorado State University was established in 2006 as one of 119 institutes nationwide. Designed to challenge and inform, courses are small, engaging, interactive and affordable. Join us today and take part in Osher’s ever-evolving educational offerings and opportunities!

Why belong to Osher?
Indulge your curiosity, keep your knowledge of our ever-changing world up to date, try new experiences, and join a community of other inquisitive minds. Osher provides continuous opportunities to learn, share knowledge, ask questions, and exchange ideas.

Who belongs to Osher?
Our members come from all kinds of backgrounds, professions, and places. We welcome anyone with a desire to learn and engage.

What do Osher members share?
We share the common bond of intellectual curiosity, the desire to meet new friends and make connections, and an interest in social events, field trips, and informative lectures.

Join Our Community!
Want to learn more? Call (970) 491-7753 or visit our website at www.osopher.colostate.edu.

You won’t want to miss this annual event — Osher’s Fall Open House! Meet our instructors, connect with Osher members, and share comments and questions. This is your opportunity to register for classes, perks and special programs, enter the Value Added Draw, and enjoy refreshments & camaraderie with fellow Osher members. Please bring a friend, neighbor or relative who is interested in learning more about Osher at Colorado State University!

RSVP no later than August 29 for the Open House by enrolling in #OSHR 1095 100.

Announcement
There is still time to support CSU Osher and help us reach our annual giving goal. We hope to reach $12,000, but would love to surpass that. With additional funds, we can enhance, grow, and continue to create an engaging and thoughtful learning environment. Make a gift today at: www.advancing.colostate.edu/OSHER
Become an Osher Member

Osher Membership and Program Fees
The Osher Lifelong Learning Institute is a member-based, member-driven program. As such, membership is required to participate in our many exciting courses, perks and special programs. Osher offers a simplified registration process with annual membership and course costs calibrated to the number of class sessions.

Osher Membership
• $35 annual membership fee. Memberships run for one year.
• Eligibility to register for Osher courses, perks, and special programs.
• Free access to one perk lecture within the membership year.

Course, Perk, and Special Program Fees
• Course fees are based on a charge of $5/class hour; for example, a 6-week class meeting for two-hours/week = $60, and an 8-week class meeting for two-hours/week = $80.
• Registration for a single course includes access to the Value-Added Draw for the session of the enrolled course.
• Registration for multiple courses is allowed.
• Registration for perks is available at a $5/perk charge.
• Special programs are charged according to their unique costs.

Please contact Osher at (970) 491-7753 if you have questions!

All courses, perks and special programs offer enrollments on a first-come, first-served basis, subject to space availability.

Guides for Course Schedules, the Value-Added Draw, and Driving Directions
To save printing costs and still provide useful information, please consult www.osher.colostate.edu or call (970) 491-7753 for calendar formatted course schedules, complete listing of all program offerings, guides for using the Value-Added Draw, and driving directions for all Osher courses and programs.

Drop and Refund Policy
Osher membership and program fees are nonrefundable. Extenuating circumstances to drop a course may be considered by an Appeals Committee on a case-by-case basis. If a course or perk is canceled by Osher, a refund will be processed. Credit card refunds require ten business days; check refunds may take up to eight weeks and will be mailed to the address on file.

Tuition Assistance
We are pleased to share that the Osher Scholarship fund is now the Oltjenbruns Tuition Assistance fund in honor of the commitment that Kevin and Ken Oltjenbruns have shown to Osher for many years. If financial hardship is preventing you from taking Osher courses, you’re encouraged to apply for tuition assistance. Visit www.osher.colostate.edu or call (970) 491-7753 if you have questions or need an application form.

Gift Certificates Available
Looking for the perfect gift for a friend or relative? Give the gift of learning! We have membership gift certificates available for any occasion. Call (970) 491-7753 for more information.

Severe Weather Policy
The Osher Lifelong Learning Institute follows the University’s severe weather policy in regard to canceling classes due to weather. It is important that we have your phone number so we can contact you in case of emergency.

Support Your Osher Lifelong Learning Institute
Your tax-deductible contributions will support and sustain the Osher program. Please consider making a generous donation when completing the Membership and Registration form, call (970) 491-7753, or make an online gift today at: www.advancing.colostate.edu/OSHER

University Holidays
Osher and CSU Online offices will be closed for the following University holidays:
- September 4, 2017
- November 23 - 24, 2017
- December 25 - 27, 2017
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### The U.S. in the 1960s

**#OSHR 1148 100**

This course will examine the 1960s, a pivotal decade in the making of the present-day United States. It will suggest answers to some of the most important questions about that decade: How close did the U.S. and the Soviet Union come to nuclear war during the Cuban missile crisis? Why was the U.S. unable to win the Vietnam War? What led to the “rights revolution” that changed the status of women, African Americans and, through Medicare, the economic position of senior citizens? Why did the decade end with a backlash against these reforms?

**Instructor:** Hal Smith taught history for 40 years at the University of Houston-Victoria, the University of Montana, and the University of Missouri-Kansas City and was made a Fellow of the Royal Historical Society of Great Britain for his historical research. A social historian with a special interest in women’s history, he is the author or co-author of six books (two of which won awards), and has been teaching courses on U.S. history since 1976.

**Time:** 1 - 3 p.m.

**Dates:** Mondays, Sept. 11, 18, 25, Oct. 2, 9, 16 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO

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Perks

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**Course enrollment is on a first-come, first-served basis and is subject to availability. Register today!**
THAT’S in the Constitution?
★ #OSHR 1055 100
When was the last time you really looked at the United States Constitution? High school? Earlier? Suddenly, we are faced with words like ‘emoluments,’ ‘impeachment,’ ‘constitutional convention,’ and other concepts that have not been part of our regular lives. This class will review the Constitution in the light of the headlines and highlight our role as citizens in the issues of our time.

Instructor: Rabbi Hillel Katzir, JD, practiced law for fifteen years before becoming a spiritual leader. He previously taught an Osher class on the 1st Amendment Religion clauses, and is now finding opportunities to educate as many people as possible on the responsibilities and opportunities of citizenship under the Constitution.

Time: 1 - 3 p.m.
Dates: Mondays, Sept. 11, 18, 25, Oct. 2, 9, 16, 23 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Lightroom II (the next level)
★ #OSHR 1725 100
This course is for those who have taken a previous Lightroom course and want to get to the next level in their quest to learn. It is also the course for anyone who has been using Lightroom on their own and knows some of the basics and wants to learn more of the intricacies and techniques in this program. There will be step-by-step written instructions of the techniques discussed in the class so participants can go back and try them on their own. A CD with files will be provided. The emphasis in this course will be to help you learn techniques in Lightroom that will be useful for improving your photography and the looks of your photographs and make people take notice.

Instructor: Murth Murthy has a B.S. in physics and optics, a B.S. in electrical engineering, and a M.S. in electronics. He is formerly vice president of engineering at Pitney Bows Corp. Murth has taught photography and Photoshop at Front Range Community College, Longmont Free University, and many other settings.

Time: 10 a.m. - Noon
Dates: Mondays, Sept. 18, 25, Oct. 2, 9, 16, 23 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Fake News and Other Falsehoods: How Can We Know What’s True?
★ #OSHR 1163 100
Do you ever wonder how people can believe in ideas so different from yours, ideas that seem stupid and make no sense to you? Many believe “critical thinking” means being critical of others’ thinking, but this class teaches how real critical thinking works: how and why people, and especially yourself, believe something is true. We will also examine how experts in the fields of math, natural science, social science, history, art, ethics, and religion judge what is true. This is not a class on current issues or debates about them, nor a class to tell you what you should think. It seeks to make you aware of how human knowledge works and to know yourself better—an invitation to think about thinking.

Instructor: Sally Purath earned a B.A. in Social Sciences and a M. Ed. at Colorado State University. She taught history, world humanities, and language arts for 26 years for Poudre School District, including the International Baccalaureate Program Theory of Knowledge for nine years, and has led National Endowment for the Humanities institutes and other teacher workshops.

Time: 10 a.m. - Noon
Dates: Mondays, Oct. 30, Nov. 6, 13, (no class Nov. 20) 27, Dec. 4, 11 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
“Everything you always wanted to know about Judaism, but never had a Rabbi to ask”
#OSHR 1096 100

People have always had many questions about Judaism and its importance, which has often been significant far beyond the number of Jews in the world. In this class, you will have the opportunity to get straight answers to your questions about the origins of Judaism, the Judaism of Jesus, anti-Semitism, and anything else you want to know about this ancient/modern faith tradition.

Instructor: Rabbi Hillel Katzir has been the spiritual leader of Temple Or Hadash in Fort Collins since 2015; before that he served a synagogue in New England for 11 years. He previously lived in Israel, served in the Israeli army, and practiced law. He is very involved in interfaith education.

Time: 10 a.m. - Noon
Dates: Mondays, Oct. 30, Nov. 6, 13, (no class Nov. 20) 27, Dec. 4, 11 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Nature and Humanity: Resolving the Issues That Become Conflicts
#OSHR 1860 100

Concerning the interface between Nature and Humanity, ants in a mound work together better than do people facing a problem. Recognizing issues comes easily, but resolving issues can seem as futile as searching for leprechaun gold. Conflicts between nature and humanity become conflicts between people when one person’s solution to a nature-based problem becomes another person’s nightmare; disagreement stymies resolution. In this arena comfort makes familiarity a tether, and acceptance makes tradition a tyrant. Together, familiarity and tradition nullify new thinking. This course will propose and elaborate completely new solutions to old nagging problems that pit humanity against nature.

Instructor: Kevin J. Cook connected with nature during his childhood years. He earned degrees in biology and wildlife biology and has spent his entire adult life addressing the issues that arise between people and the natural world. His passion for the history of biology uniquely qualifies him for addressing the future.

Time: 1 - 3 p.m.
Dates: Mondays, Oct. 30, Nov. 6, 13, (no class Nov. 20) 27, Dec. 4, 11 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

The Roots of Rock: The Folk Tradition in American Music from Bill Monroe to Bob Dylan
#OSHR 1416 100

Participants will listen to recorded and live performances of folk, blues, bluegrass, and country music, by representative artists in each genre, including Bill Monroe, Muddy Waters, Hank Williams, Woody Guthrie and Bob Dylan. From the earliest recordings to the present, participants will discover the influences each musical genre has had on each other. Mandolins, dobros, steel guitars, banjos and other instruments that help define each genre’s sound will be available for examination and performance. This course will also examine the state of contemporary folk, blues, bluegrass, and country music — where it is now and where it might be headed.

Instructor: Tim Thomas has been a guitar player for 50 years. He has 27 years of experience working for the Telluride Bluegrass Festival and has seen most of the bluegrass icons, including Earl Scruggs, Doc Watson, and Bill Monroe, as well as contemporary giants like Sam Bush, Jerry Douglas, Chris Thile, and Bela Fleck.

Time: 1 - 3 p.m.
Dates: Mondays, Oct. 30, Nov. 6, 13, (no class Nov. 20) 27, Dec. 4, 11 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Inside the USSR and Russia – U.S. Intelligence

Enter a fascinating real world via informative and thought-provoking slides and PowerPoints. All information and examples presented are now unclassified. Topics include “Living under Communism,” “How We Spied inside the USSR,” “Understanding Putin,” “The U.S. Intelligence Community,” “Navy and Marine Corps Human Intelligence in Vietnam, the USSR, Mediterranean, and the First Gulf War,” and “Understanding Terrorism.”

Instructor: Captain Richard (Dick) Life, U.S. Navy (Ret) is a graduate of the U.S. Naval Academy, Georgetown University (MA Russian Area Studies), and the Army War College. From 1962-91, he served as an intelligence officer in Vietnam, the U.S. Embassy Moscow, & NATO. Trained by the CIA & DIA, he has extensive personal experience as a Cold War human intelligence collector and all-source analyst.

Time: 10 a.m. - Noon
Dates: Tuesdays, Sept. 12, 19, 26, Oct. 3, 10, 17 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Art, Science, Life, and Mathematics

Mathematics is a tool for discovering patterns and analyzing these patterns to make predictions. In this course, we will use mathematical ideas to identify and analyze patterns in numbers and counting, shapes and solids, randomness and chance, physical phenomena, and the arts. As an example involving numbers, notice that successive square numbers (1, 4, 9, 16, 25…) differ by consecutive odd integers (3, 5, 7, 9...). Will this pattern continue? Why does this happen? Can we predict the difference between two successive large square numbers?

Class sessions will invite exploration, discussion and collaboration.

Instructors: Ken Klopfenstein is Professor Emeritus at CSU. He managed the self-paced pre-calculus program and worked on several projects to improve student satisfaction and success in freshman and sophomore math courses. He served on the board of the International Society for Exploring Teaching and Learning for several years.

Darel Hardy is Professor Emeritus at CSU. During his 42 years at CSU he contributed to projects designed to improve mathematics education at the secondary and university levels and authored textbooks on calculus and applied algebra.

Time: 10 a.m. - 12:30 p.m.
Dates: Tuesdays, Sept. 12, 19, 26, Oct. 3, 10, 17, 24, 31 (8 weeks)
Class Size: 18 participants
Cost: $100
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Art, Science, Life, and Mathematics #OSHR 1671 100
(continued from previous page)

Gail Gliner is Professor Emeritus at Metropolitan State University. She has done research on mathematics learning and was an evaluator for Department of Education grants to interest women and minorities in mathematics and science. Her interests include mathematics education, statistics, mathematics history, and mathematical modeling.


Time: 1 - 3 p.m.
Dates: Tuesdays, Sept. 12, 19, 26, Oct. 3, 10, 17 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

From Comrade to Collapse: A Historic Overview of the Soviet Union from a Russian Perspective
★★ #OSHR 1157 100

How could a tiny band of revolutionaries conquer a nation that stretched across twelve time zones and establish a government that shocked the Western world? How and why did Lenin, Stalin, Khrushchev, Brezhnev and Gorbachev each redefine the USSR and its relation to the global community? How does Vladimir Putin reflect his Soviet past? Why did Soviet citizens view themselves as belonging to a democracy? And, what the heck is a “Soviet?” Find out the answers to these questions and more as we journey through the fascinating 84 year history of the Union of (15) Soviet Socialist Republics.

Instructor: Christine Hays earned a B.A. and M.A. in History from Henderson State University and Colorado State University. She taught history for 30 years in New Orleans, Fort Collins, and Berlin, Germany. She directed the International Baccalaureate Program at Poudre High School for 7 years. She first experienced Russia in 1970 as a 17 year old and developed a lifelong fascination resulting in three more trips, culminating as a State Department-sponsored liaison to the Humanitarian Lyceum in Izhevsk, Udmurtia Republic.


Time: 4 - 6 p.m.
Dates: Tuesdays, Sept. 12, 19, 26, Oct. 3, 10, 17 (6 weeks)
Cost: $60
Class Size: 30 participants
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Exercise and Mental Health

★ #OSHR 1302 100

Explore the relationship between exercise and mental health. What is the effect of exercise on psychological and emotional well-being? During this course, we will examine existing research dealing with the influence of physical activity on mental health and psychological well-being, as well as the potential mechanisms underlying beneficial psychological effects. This will include consideration of the role of exercise in combating stress, anxiety and depression, and enhancing mood. Topics will also include exercise in special populations.

Instructor: Melanie Kramer is a fourth year doctoral student at Colorado State University in the Counseling Psychology department. Her research and clinical interests are in health psychology.

Time: 4 - 6 p.m.
Dates: Tuesdays, Sept. 12, 19, (no class Sept. 26), Oct. 3, 10, 17, 24 (6 weeks)
Cost: $60
Class Size: 30 participants
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Appreciating Opera

★ #OSHR 1420 106

Do you wish you could attend an opera and understand it, enjoy it, and, perhaps, even discuss it? This course provides an introduction to the origins and development of opera, focusing on classic operas and recordings from the past and the present. You will learn about what to listen for, — singing lines, phrasing, and interpretive qualities — as well as enjoy the glories of the human voice.

Instructor: Sandy Kern, Ph.D., has been an opera buff since the age of 17 when he had the opportunity to sell libretti (the stories and texts of the operas) at the old Metropolitan Opera House. As part of that experience, he heard over 100 opera performances. Sandy is now retired from the Physics Department at Colorado State University.

Time: 5 - 7 p.m.

World Geography, Cultures, and Important Sites

★ #OSHR 1893 100

A series of six illustrated lectures will guide class participants across continents and transport them to oceanic islands. Starting in Central America, the expedition will proceed to South America then move to Europe, Africa, the Middle East, Asia, the Pacific islands, and finally to the North Atlantic. In context of world geography, the class will include and engage relevant topics such as historical development of featured nations, cultural characteristics as encountered in various places, and relative economic importance of the many countries visited. By class end, participants will more fully understand the manner in which many people occupy one world.

Instructor: Kenneth Jessen has lived in Loveland for 50 years and is author of 20 books on Colorado as well as over 2,000 illustrated stories. He acts as a tour guide and lecturer and has made a number of television appearances including CBS Sunday Morning with Charles Osgood. He is best known for his published information on Estes Park, Rocky Mountain National Park, railroad history and the ghost towns of Colorado spread out over its 64 counties. Jessen holds both a B.S.E.E. and M.B.A. and has done post graduate work on communication technology through CU.

Time: 10 a.m. - Noon
Dates: Tuesdays, Oct. 31, Nov. 7, 14, (no class Nov. 21) 28, Dec. 5, 12 (6 weeks)
Class Size: 35 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Compact Composition

Write short. Write for fun. In this class, we'll experiment with different types of informal writing. (No resumes, grants or proposals!) We'll write humorous essays, mini-mysteries, “twitterature” and more. We'll work from prompts, as well as from your own imaginations. Writing will be done inside and outside of class. New writers are welcome!

Instructor: Sara Hoffman recently wrote a historical fiction book, “Finding Baby Ruth.” She’s been a member of a local writer’s group for ten years and has taught writing for 30 years.

Time: 10 a.m. - Noon.
Dates: Tuesdays, Oct. 31, Nov. 7, 14, (no class Nov. 21) 28, Dec. 5, 12 (6 weeks)
Class Size: 25 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

English History

The most significant events in English history will be discussed, ranging from the Anglo-Saxon invasion to the creation of the welfare state. So many laws and institutions that prevail in the United States today were hammered out in the forge of English history. The story is replete with colorful characters and dramatic events.

Instructor: Henry Weisser was a professor of history at Colorado State University for 39 years. He earned a Ph.D. from Columbia University. He has made many trips to Britain and lived there for a time.


Time: 1 - 3 p.m.
Dates: Tuesdays, Oct. 31, Nov. 7, 14, (no class Nov. 21) 28, Dec. 5, 12 (6 weeks)
Class Size: 15 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

The Practice of Pondering: Contemplation and Poetry

Abba Jacob said,
“Contemplation is both the highest act of being human, and humanity’s highest language.”
—Marilyn Nelson from “How to Be Human Now: The Contemplative Life"

How might contemplative components be integrated into writing poetry? In what ways can writing become a practice? How can our poetry benefit from what poet Marilyn Nelson calls “communal pondering?” In this class, we will experiment with (brief and informal) meditation, journaling, stream-of-consciousness writing, and other techniques in an effort to cultivate a deeper writing experience both in and out of the classroom. Through readings, guided exercises, and reflective writing, we’ll endeavor to reach new creative heights. Come with an open mind and plenty of ink in your pen. New writers are welcome.

Instructor: Chloé Leisure holds an M.A. from Northern Arizona University and an MFA in Poetry from Colorado State University. A former CSU English Instructor, she currently teaches community and elementary school enrichment creative writing classes. Leisure was the 2014 Fort Collins Poet Laureate and is the author of The End of the World Again.

Time: 1 - 3 p.m.
Dates: Tuesdays, Oct. 31, Nov. 7, 14, (no class Nov. 21) 28, Dec. 5, 12 (6 weeks)
Class Size: 15 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Chemistry in Life, Living, and the Kitchen

Chemistry answers basic everyday questions such as “why does urine stink after eating asparagus?” and “how does one soft-boil an egg?” The answers lie in the realm of atoms and molecules that form the common compounds in our homes. After learning about atoms and molecules, we’ll be able to discuss the most amazing molecules in the kitchen and in the world and explain why natural gas does or does not smell depending on which natural gas you’re talking about. When this class ends, you’ll know whether every kitchen should have a periodic table of the elements hung on the wall!

Instructor: Bill Tosch earned a B.A. in chemistry at the University of South Dakota; a M.S. and Ph.D. in chemistry at Purdue University. Bill was in management of oil recovery research for a major oil company for 24 years. After retiring, he taught petroleum engineering at Penn State, then chemistry, part time, at UCD/Metro (Denver), Front Range Community College and CSU. Bill is a novice cook and “thinks chemistry” while cooking.

Time: 4 - 6 p.m.
Dates: Tuesdays, Oct. 31, Nov. 7, 14, (no class Nov. 21) 28, Dec. 5, 12 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

The Owner-Builder: Designing and Building Decks and Small Additions

If you are considering adding a deck or small addition to your home, whether using a contractor or doing some or all of the work yourself, this course will be of value. Design concepts, planning, applying for permits, basic construction techniques, appropriate tools and safety topics will assist you in the completion of a successful project. Each participant will create a basic project design with the help of the instructor. Join a group of DIY enthusiasts and take charge of your dream project.

Instructor: Joe Osmann is a retired college professor and artist who started building houses 40 years ago. His recent experience of designing and building an addition to his mountain home prompted him to offer this course to assist others with the unique challenges of building in Colorado.

Time: 10 a.m. - Noon.
Dates: Wednesdays, Sept. 13, 20, 27, Oct. 4, 11, 18 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

What’s for Lunch? Will Everyone Get to Eat?

The Earth currently accommodates 7.4 billion people. That figure may reach nine billion by 2040 and 11 billion by 2100; nine countries will probably account for half that population by 2050, when the U.S. population will likely be 400 million. The world currently produces enough food to provide everyone a minimally adequate diet of 2,650 kcal per day, but not everyone gets that much. We will discuss food demands of the world’s present and future human populations and ask four seminal questions: What should we do? What can we do? Do we have moral obligations? If so, what are they?

Instructor: Bob Zimdahl is a retired professor of bio-agricultural sciences and pest management at CSU. He is the founder of the CSU Society of Senior Scholars. Bob is the author of 13 books and more than 100 professional articles.
What’s for Lunch? Will Everyone Get to Eat? #OSHR 1143 100 (continued from previous page)

He’s edited a scientific journal for nine years and was an integral part of International Programs at CSU.

Time: 10 a.m. - Noon.
Dates: Wednesdays, Sept. 13, 20, 27, Oct. 4, 11, 18 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Art and the American Journey
★ #OSHR 1796 100

The visual arts have played an important role in the many stages of North American history. Before the arrival of Europeans there were many flourishing artistic traditions created by the indigenous peoples of the Americas. The sophisticated designs of Native American pottery and weaving contrasted sharply with European styles of portrait and landscape painting brought by settlers just as the influence of Spanish Colonial architecture remains to this day. As American artists began to develop their own identity, many aspiring painters felt it necessary to study in Europe as a form of validation while European landscape painters such as Albert Bierstadt were drawn to the majestic beauty of the American west. European Academic art purchased by wealthy Americans became accessible to the general public as museums opened in our growing cities. Modern art innovations originating in 19th and early 20th century Europe expanded here. After World War II, New York replaced Paris as the art center of the world and American artists were recognized as the groundbreakers of new artistic styles.

This course will explore the development and energy of modern American art styles. Examples of Abstract Expressionism, Pop Art, Op Art, Minimalism, environmental art, installation art and interactive multimedia forms will be presented and discussed with the goal of adding context and structure to our museum and gallery experiences.

Instructor: Joe Osmann, M.F.A., is a retired college profession and artist who has studied and taught art history for forty years. He enjoys researching the hidden connections and concepts that drive cultural change and artistic expression.

Time: 1 - 3 p.m.
Dates: Wednesdays, Sept. 13, 20, 27, Oct. 4, 11, 18 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Drawing FUNdamentals
★ #OSHR 1795 100

“A drawing is simply a line going for a walk.” Paul Klee (1879 – 1940), German-Swiss artist

This FUN course will have you excited about drawing. Participants will learn various techniques in graphite pencils and in pen and ink, while exploring drawing fundamentals. Learn how to draw what you see. Delve into the basics of using line, value, shape, and shading to create realistic drawings. Composition and proportion will also be discussed and used in drawings. Participants will learn how to use a grid to enlarge and transfer images to larger paper. Examples of drawings through the ages will be presented. This is a beginner-level course.

Instructor: Carol Marander is an artist living and working in Fort Collins, Colorado. She graduated with honors from Colorado State University where she majored in sculpture and painting. She worked as a graphic designer for many years at Colorado State University while pursuing her fine art. Carol’s paintings have been in numerous juried exhibitions locally and nationally. She is a signature member of the Pastel Society of America and the Colorado Watercolor Society.

Time: 1 - 3 p.m.
Dates: Wednesdays, Sept. 13, 20, 27, Oct. 4, 11, 18 (6 weeks)
Class Size: 18 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Thinking About Energy Policy Choices Today
★★ #OSHR 1613 100

With so much noise generated by interest groups and politicians concerning favored energy supply technologies, how are we to organize our thinking and reach decisions about energy policy choices and the manner in which they will shape the world tomorrow? We will examine an organizing framework for analysis of energy technologies and national energy policy choices in terms of their financial, social, environmental, welfare and national security costs and benefits. U.S. energy policy choices will be examined in the context of major social goals (growth, equity), with treatment of conflicts and trade-offs between energy development and other social values, health and safety, cultural and aesthetic values.

Instructor: Michael Hamilton, Ph.D., is Professor Emeritus of Political Science at the University of Southern Maine where he specialized in environment and natural resources policy. He has 33 years teaching experience at the Universities of New Mexico, Wyoming, and Colorado State. He has authored over 110 scholarly books, journal articles, chapters, and research papers.


Time: 4 - 6 p.m.
Dates: Wednesdays, Sept. 13, 20, 27, Oct. 4, 11, 18 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Rome, Paris, Berlin
★★★★ #OSHR 1424 100

Michelangelo transforming the Sistine Chapel, Eiffel designing a tower in Paris, Keith Haring painting the Berlin Wall – all transformative moments. When we study these works we can understand the religious, social, and economic factors that gave them form and can better understand these cities today. This course will focus on the art and architecture produced in Rome during the 16th-17th centuries, in Paris during the 18th and 19th centuries, and in Berlin in the 20th and 21st centuries. By investigating these European capitals, we will learn about art history, urban planning, and history as well as become more savvy tourists.

Instructor: Annie Krieg earned her M.A. and Ph.D. in the History of Art and Architecture and Cultural Studies at the University of Pittsburgh, specializing in modern German and Central European architecture. She has enjoyed sharing her love of visual culture and social and political history as a frequent Osher instructor at the University of Pittsburgh and later as a continuing studies instructor at the University of Wisconsin-Madison, teaching on topics from art and the Holocaust to modern religious architecture.

Time: 10 a.m. - Noon
Dates: Wednesdays, Nov. 1, 8, 15, (no class Nov. 22) 29, Dec. 6, 13 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Andrew Jackson: The Man, the President, and his Times
★★★★ #OSHR 1180 100 CANCELLED

Andrew Jackson was responsible for creating our modern image of the Presidency. In this course, we will examine his background and how it led him to do the things he did once he became President. We will also examine the times in which he worked, how his world influenced him, and how he influenced that world.

Instructor: David McKibbin is a retired professor of history, with a Ph.D. from SUNY at Buffalo. He taught history for 15 years at the University of Northern Iowa in Cedar Falls.

Time: 10 a.m. - Noon
Dates: Wednesdays, Nov. 1, 8, 15, (no class Nov. 22) 29, Dec. 6, 13 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Cinema du Jour

Join us for film viewing and post-film discussion in the brand new Lyric Cinema Café. We will watch films with unique story lines and observe filmmaking techniques that often vary from the standard studio fare. After each cinematic adventure, we’ll gather together with fellow Osher participants for intriguing discussions of these thought-provoking films.

Please Note: Movies may be subtitled and carry various ratings. This is not a history of film course.

Instructor: Joannah L. Merriman, M.A., is a community educator, writer, and psychotherapist. She is also a voracious reader and lover of good films, as well as facilitator for Osher’s “Cinema du Jour” course for the past several years. A member of three book groups, she is most interested in thoughtful discussion of material on both page and screen.

Time: Noon - 3 p.m.

Dates: Wednesdays, Nov. 1, 8, 15 (no class Nov. 22) 29, Dec. 6, 13 (6 weeks)

Class Size: 30 participants

Cost: $90

Location: Lyric Cinema Café, 1209 N. College Ave., Fort Collins, CO

World War I and the United States

The centennial of America’s entry into World War I reminds us of its pivotal importance in our country’s history. The war transformed the United States into the world’s leading financial center and military power, made us the key diplomatic player on the world stage, witnessed the first deployment of American troops to Europe, and revolutionized the way we made war, on the home front and at the warfront. It also brought us Prohibition, Women’s Suffrage, immigration restriction, and the beginning of the Great Migration of African Americans from the South to the North. An event this monumental, compels our attention.

Instructor: David Danbom has been teaching 20th Century U.S. history for 36 years, formerly at North Dakota State University. A good deal of his published work has also focused on the war, especially on the home front.

Time: 1 - 3 p.m.

Dates: Wednesdays, Nov. 1, 8, 15, (no class Nov. 22) 29, Dec. 6, 13 (6 weeks)

Class Size: 30 participants

Cost: $60

Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

The Supreme Court in the Age of Trump

In recent years, Congressional dysfunction and Executive inaction have enabled the Supreme Court to become a dominant engine of political, economic, and social change. The 2016 elections, however, have dramatically altered the playing field with regard to the balance of Executive, Congressional, and Judicial power. What role will the Court play in this new scenario? Elections inevitably create new winners and losers, and it is an American tradition that losers in the political process frequently turn to the courts for redress or restoration of lost powers and rights. How will the Supreme Court respond? Will the Court operate above national and regional politics? Or, given the current polarization of American society, will it become just another political player? We will examine the above issues in the context of significant upcoming cases in the Court’s October 2017 Term.

Instructor: Eric Waples has taught courses on the Supreme Court for 40 years. While history department chair at the Potomac School in McLean, Va., he met with various Supreme Court Justices and sat in on numerous cases.

Time: 1 - 3 p.m.

Dates: Wednesdays, Nov. 1, 8, 15, (no class Nov. 22) 29, Dec. 6, 13 (6 weeks)

Class Size: 30 participants

Cost: $60

Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
The Gift of Your Story: Writing a Spiritual Autobiography

In your own life – or in the life of an elder whom you cherish – are there profound tales of transpersonal significance? Within each of us, especially those who have lived into a season of relative freedom from the daily demands of the world, is a hidden wealth of wisdom and insight. This can become a legacy every bit as valuable as personal property. Discover, claim and preserve this important autobiography for yourself or a cherished elder.

Instructor: Laurie Gudim is a retired psychotherapist whose practice spanned over 30 years. With a M.A., in professional psychology extensive experience in lay leadership in the Episcopal Church, and training in eliciting spiritual autobiographies from people of all faith traditions or none, Ms. Gudim has a deep reverence for the wisdom of individuals in relationship with the Holy.

Recommended Reading: Keen, Sam; Valley-Fox, Anne, Your Mythic Journey: Finding Meaning in Your Life through Writing and Storytelling, ISBN: 0-87477-545-4

Time: 4 - 6 p.m.
Dates: Wednesdays, Nov. 1, 8, 15, (no class Nov. 22) 29, Dec. 6, 13 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Membership and Registration Form

Select Perk Lectures ($5 per Perk)

Members receive one free perk lecture per year with membership.

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Select Value-Added Draw Courses

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Select Perk Lectures (55 per Perk)

Members receive one free perk lecture per year with membership.

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Select Courses

Please note that all Osher programs are available on a first-come, first-served basis subject to space availability.

Program Registration

Rank Order Preference of Courses by Number and Title


Entries must be received by September 5, 2017 at Drake Hall, 2545 Research Blvd., Fort Collins, CO 80526. The draw will be held September 7, 2017.

If you have registered for at least one course, you are eligible to participate in the Value-Added Draw. Entries must be received by September 5, 2017 at Drake Hall, 2545 Research Blvd., Fort Collins, CO 80526. The draw will be held September 7, 2017.

Program Membership and Registration Form

Fall 2017

OSHER LIFELONG LEARNING INSTITUTE
WWW.OSHER.COLOSTATE.EDU • (970) 491-7753
WWW.OSHER.COLOSTATE.EDU
The Neuroplasticity and Healing of the Brain

New discoveries of the brain show that its structure and function change by experiencing and acting in the world, and in thinking and imagining about the world. This ability to change is called neuroplasticity. For years it was thought that the brain works like a machine, that it was fixed and unregenerative and could not recover mental activities following disease or injury. This course will review the limitations and possibilities of neuroplasticity and also provide insights into how the brain works in healing and normal living. The course will review human case studies of how non-invasive energies (light, sound, electrical stimulation, movement) and the mind (thoughts and imagination) activates dormant or divergent networks in the brain to promote healing. These neuroplastic strategies will be reviewed in the context of clinical applications for stroke, pain, Parkinson’s disease, attention deficit disorder, dyslexia, autism, traumatic brain injury and dementia, and for also providing insights into how to enrich one’s normal life.

Instructor: Howard Nornes, Ph.D., is Professor Emeritus in Colorado State University’s Department of Anatomy/Neurobiology. He has broad expertise in neuroscience and has written many articles in the area of the development and plasticity of the brain and spinal cord. Over his career, Howard has received numerous awards recognizing his research and teaching.

Time: 4 - 6 p.m.
Dates: Thursdays, Sept. 7, 14, 21, 28, Oct. 5, 12, 19, 26 (8 weeks)
Class Size: 30 participants
Cost: $80
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Watercolor Made Easy – An Introduction to Painting

Come join us for a fun and entertaining introduction to the finer points of working in watercolor! Creating art is fun and expressive. It’s a great way to relax and play as magical images emerge from your brush. This class takes the fear out of painting. Your instructor will take you through a progression
Watercolor Made Easy – An Introduction to Painting #OSHR 1761
(continued from previous page)

of concepts and exercises that result in finished images you can be proud of. Above all, you will make art that’s creative and expressive!

There will be demonstrations by the instructor that illustrate each of the structured lesson topics and plenty of one-on-one help during class painting time. There should be something for everyone in this class as students discover how to start painting with watercolor. Designed for beginners.

Instructor: Randy Hale attended Art Center College of Design in Pasadena, CA where he developed a solid understanding of design and composition. A successful commercial career followed in product design, project management, and sales. Randy is currently involved with art groups throughout the country. He has served as president of the Colorado Watercolor Society and works on boards organizing national exhibitions. Not only does Randy do painting demonstrations, he is an active workshop instructor and juror of art shows.

Section 100

Time: 9 a.m. - Noon
Dates: Thursdays, Sept. 14, (no class Sept. 21), 28, Oct 5, 12, 19, 26 (6 weeks)
Class Size: 18 participants
Cost: $90
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Section 101

Time: 9 a.m. - Noon
Dates: Thursdays, Nov. 2, 9, 16, (no class Nov. 23) 30, Dec. 7, 14 (6 weeks)
Class Size: 18 participants
Cost: $90
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Journey through People of the Book

★ #OSHR 1390 100

You’ll never read a book the same way after taking this class. We’ll discuss the inner workings of People of the Book by Pulitzer Prize winner, Geraldine Brooks, and gain fresh insight into how an author builds suspense or pulls readers into stories. We’ll uncover the “secret weapons” writers’ use, the unique voices they create, and the techniques they employ for dialogue and characterization. A great class for anyone who loves to read or is interested in becoming a better writer. Just be warned: Books get heavier when you read them not only for pleasure, but also for their guts.

Instructor: Sara Hoffman has been a writer since she learned to write. She recently wrote a historical fiction book, “Finding Baby Ruth.” She’s been a member of a local writer’s group for 10 years and has taught writing for 30 years.

Time: 10 a.m. - Noon
Dates: Thursdays, Sept. 14, 21, 28, Oct. 5, 12, 19 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Bad Hombres and Terrorists? The Myths, Misconceptions, and Law of Immigration

★ #OSHR 1069 100

Come and learn about one of the hottest topics in the United States today – immigration. Learn about the laws that govern who is a U.S. citizen and how people come to live in this country. We will debunk the misconceptions about immigration laws and discuss the immigrant’s place in America in the past, present and future. Participate in discussions of current events and the legal (or not so legal) basis for these actions. The goal of this course is to provide a base of knowledge so you can make sense of the immigration debate.

Instructor: Lisa Pray is an attorney who has been practicing Immigration Law for 16 years. She has a lifetime of experience dealing with immigrants from teaching English as a second language, attending the U. S. Border Patrol Academy, to teaching Immigration Law as an adjunct Professor at the C.U. School of Law.
Time: 1 - 3 p.m.
Dates: Thursdays, Sept. 14, 21, 28, Oct. 5, 12, 19 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Treat Yourself – Paint With Watercolor
★★ #OSHR 1753

Watercolor is best served up in splashy, spontaneous strokes. It yearns to be transparent and luminous. Make time for yourself each week to chase your passion! Working in watercolor can be exhilarating as secrets to good painting are revealed. You’ll be amazed at how fast you are producing splashy watercolor paintings and how stimulating it is to make art! Your instructor offers easy-to-understand explanations providing an insider-look at technique. These clear explanations will have you painting in no time at all. We’ll be painting a variety of subject matter including still life set-ups, people, and landscapes.

Instruction is structured around watching, listening, and doing! The course includes illustrated handouts with insightful explanations to supplement the class lesson. Each class will start with a painting demonstration by the teacher walking participants through each step of the day’s lesson. Class sessions are then devoted to individual painting time where students receive one-on-one instruction. Everything is geared toward participants realizing immediate success! Designed for all levels.

Instructor: Randy Hale attended Art Center College of Design in Pasadena, CA where he developed a solid understanding of design and composition. A successful commercial career followed in product design, project management, and sales. Randy is currently involved with art groups throughout the country. He has served as president of the Colorado Watercolor Society and works on boards organizing national exhibitions. Not only does Randy do painting demonstrations, he is an active workshop instructor and juror of art shows.

Section 100
Time: 1 - 4 p.m.
Dates: Thursdays, Sept. 14. (no class Sept. 21) 28, Oct. 5, 12, 19, 26 (6 weeks)
Class Size: 18 participants
Cost: $90
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Section 101
Time: 1 - 4 p.m.
Dates: Thursdays, Nov. 2, 9, 16 (no class Nov. 23) 30, Dec. 7, 14 (6 weeks)
Class Size: 18 participants
Cost: $90
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Tennis Nets and Rule-Breakers: Experimenting with Poetic Forms and Procedures
★★ #OSHR 1370 100

“I’d sooner write free verse as play tennis with the net down.” — Robert Frost
“I am an exception to a rule I haven’t even identified.” — Margaret Atwood

Writing in form can shake up our writing tendencies and habits. Meter and syllabics can encourage language compression and effective word choice. Procedures utilizing chance can invite new and unusual syntax. Stream-of-consciousness leads us down paths of unexpected subject matter. And collaboration is just plain fun! In this class, we will follow the rules of traditional forms (e.g. sonnets and sestinas), bend and break some rules, and play with chance (e.g. Dadaist cut-ups and OULIPO word games). We will read, write, and share formal and experimental poetry. New writers are welcome.

Instructor: Chloé Leisure holds an MA from Northern Arizona University and an MFA in Poetry from Colorado State University. A former CSU English instructor, she currently teaches community and elementary school enrichment creative writing classes. Leisure was the 2014 Fort Collins Poet Laureate and is the author of The End of the World Again.

Time: 4 - 6 p.m.
Date: Thursdays, Sept. 14, 21, 28, Oct. 5, 12, 19 (6 weeks)
Class Size: 15 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

International Current Events Roundtable
★★ #OSHR 1051 106

International current events present us with unending and transforming circumstances. This format is designed as a participatory dialogue that meets weekly for six weeks for a two-hour discussion and analysis of on-going world events. There will be a moderator, but no single presenter or lecturer. If you are interested in learning and sharing ideas, concepts, and interpretations related to worldwide current events, and willing to participate actively over a six-week time period, this roundtable is for you!
**International Current Events Roundtable #OSHR 1051 106**

(continued from previous page)

**Instructor:** John E. Roberts is a 34-year veteran of the U.S. Department of State and the U.S. Peace Corps and has taught a variety of Osher courses for the past nine years. As the roundtable moderator, he brings a rich set of life experiences and a keen interest in international affairs. He describes himself as “a student, a teacher, and an internationalist.”

**Recommended Reading:** Daily news items from newspapers, Internet, international news magazines, e.g., “The Economist,” “Foreign Affairs,” “Christian Science Monitor,” etc.

**Time:** 1 - 3 p.m.

**Dates:** Thursdays, Oct. 5, 12, 19, 26, Nov. 2, 9 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Community Foundation of Northern Colorado, 4745 Wheaton Drive, Suite 100, Fort Collins, CO

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**The Bizarre Tsars of Old Russia: Tales of Woe and Excess #OSHR 1199 100**

From Vladimir, who went shopping for a religion, and the three Greats—Ivan, Peter, and Catherine—through the last tsar Nicholas II, a romantic but inept fool who threw it all away, Russian rulers had too much power and too few brakes. This class is an overview of Russian history from the 860s to 1918, concentrating on the absolute rulers no one would want to be ruled by.

**Instructor:** Sally Purath earned a B.A. in Social Sciences and a M. Ed. at Colorado State University. She taught history, world humanities, and language arts for 26 years for Poudre School District, including Russian history from 1981-94, and has led National Endowment for the Humanities institutes and other teacher workshops.

**Time:** 1 - 3 p.m.

**Dates:** Thursdays, Nov. 2, 9, 16, (no class Nov. 23) 30, Dec. 7, 14 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO

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**Mindfulness Practices for Everyday Life #OSHR 1330 100**

This course offers a variety of mindfulness practice tools for diverse audiences, and contributes to stress reduction and relaxation, focus and concentration, and overall well-being. Each session will begin with an overview of cognitive research, physical and mental benefits, and a description of the mindfulness practice tool and its historical and current use. New mindfulness practices will be introduced each week, with a review of the previous week’s practice. Participants will be invited to engage in “hands-on” - 5-15 minute practices – and guided by the Instructor. An example of a practice technique is focused breath meditation. Q & A will follow each practice to share in a group format, within your comfort level, so that we can learn from each other’s experiences. Everyone is welcome and beginners are encouraged to attend.

**Time:** 10 a.m. - Noon

**Dates:** Fridays, Sept. 8, 15 (no class Sept. 22) 29, Oct. 6, 13, 20 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO

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**At Home in the Trees #OSHR 1881 100**

A tree, viewed with fresh eyes and sharper perspective, assumes the identity of a home as if it were a hotel where animals, fungi, and even other plants can check in to live their lives. Some wildlife comes and goes; some wildlife comes and stays; always they share in common that the tree is vital to their individual lives and well-being. Through the tree, they interconnect as community. This class will develop those fresh eyes and that sharper perspective of the trees in our lives. When the stories are told, a walk in the woods will never be the same!

**Instructor:** Kevin J. Cook is a naturalist who has explored the expanse of Colorado and engaged the full diversity of its wildlife since 1974. Through writing, speaking, and teaching he shares his passion for life with other people, always emphasizing the themes of diversity, connectedness, and geography.

**Time:** 10 a.m. - Noon

**Dates:** Fridays, Sept. 8, 15 (no class Sept. 22) 29, Oct. 6, 13, 20 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Mindfulness Practices for Everyday Life  #OSHR 1330 100
(continued from previous page)

Instructor: Margit Hentschel is the co-Founding Director for Colorado State University’s Center (CSU) for Mindfulness. She also serves as the Director of the Office of Service-Learning at CSU’s Institute for Learning and Teaching (TILT). Margit teaches mindfulness practices in campus classrooms and community workshops. She has over 15 years of teaching experience in sharing mindfulness practices. Margit teaches yoga healing and meditation for adults and children, and believes that a healthy mind/body connection facilitates a more sustainable relationship with one’s self and community. She holds a Ph.D. from Colorado State University’s School of Education with a focus on Peace and Reconciliation Leadership.

Time: 1 - 3 p.m.
Dates: Fridays, Sept. 8, 15, 22, (no class Sept. 29) Oct. 6, 13, 20, (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Civilizations in Conflict – The World from 1945 to Today’s Geopolitical Quagmires
★ #OSHR 1061 100

Three divergent viewpoints will address the current geopolitical status of the various “powers” in the world today. In subsequent weeks, we will discuss the geopolitics of: 1) the United States of America as the Once and Future World Hegemon; 2) the USSR and an expanding and aggressive Russia; 3) the Rise (and future prospects) of China and its SE Asia domain; 4) the potential of Europe as a union or otherwise; 5) India and the Indian Ocean; 6) the unity and disunity of the Muslim World in the Middle East and elsewhere; and 7) Three prophesies of the 2020’s World finalists for King (s) of the Hill. Each week will consist of three 30-minute appraisal and assessment sessions, and a 20-minute open discussion with questions/comments/answers.

Instructors: John Roberts has 34 years of experience with the U.S. Peace Corps and the U.S. Department of State (working 19 different countries and visiting 140 more). He has an M.S. from Cornell University, and has taught international studies at CSU and separately with Osher since 1999.

Dan Ward is a former U.S. Navy officer (submarines), Certified Financial Planner, and holds a doctorate in nuclear physics. He has taught science, engineering, astronomy, math, finance, geopolitics, mythology, ancient and medieval history, as well as current events at the University of Texas, CSU Osher, and the American University in Paros, Greece.

Robert Lawrence has served in the U.S. Air Force, and worked at think tanks such as the Hudson Institute and Stanford Research Institute. He has taught political science at the University of Kansas, Texas Tech University, University of Arizona, CU, CSU, and of course Osher. Bob is an expert in nuclear issues, and Professor Emeritus at CSU.

Time: 10 a.m. - Noon.
Dates: Fridays, Sept. 15, 22, 29, Oct. 6, 13, 20, 27 (7 weeks)
Class Size: 30 participants
Cost: $70
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Earth History – The First 4½ Billion Years
★ #OSHR 1152 100

If you are fascinated with the geologic history of our planet, but have questions about how and when Earth formed, the nature of the first rocks on Earth, the origin of oceans, granite, and life, then this course is for you. We will discuss these and other subjects such as the how Earth obtained an oxygen atmosphere, mineral evolution, the snowball-hothouse cycle, the plate tectonic cycle and the rise of the terrestrial biosphere. The central theme of our textbook and this short course is the co-evolution of Earth and life. We will end our overview of Earth history by examining possible scenarios for a changing Earth at various time scale from the next hundred years to the next 4.5 billion years.

Instructor: Frank G. Ethridge, professor emeritus of Geology at Colorado State University, worked as a geologist with the U.S. Army Corps of Engineers, the Texas Highway Department, and Chevron Oil Co. Frank has conducted courses
Earth History – The First 4½ Billions Years #OSHR 1152 100
(continued from previous page)

and led field trips for geological societies and petroleum companies. He taught geology at Southern Illinois University and Colorado State University for a total of 35 years. Frank has a long-term interest in the Evolution of Earth and has taught courses in this topic for CSU and Osher.

Recommended Reading: Hazen, R.M., 2012, *The Story of Earth: The First 4.5 Billion Years from Stardust to Living Planet*, 306 p, Penguin Group, N.Y. (Paperback, approximately $15 and cheaper if bought used online.)

Time: 1 - 3 p.m.
Dates: Fridays, Sept. 15, 22, 29, Oct. 6, 13, 20 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Colorado: Explore, Engage, Enjoy!
#OSHR 1865 100

Corner to corner, border to border, Colorado offers something to explore no matter where you travel. The landscapes, lifescapes, and humanscapes offer, both collectively and individually, a unique blend of history, activities, wildlife, and natural beauty appealing to every type of outdoor aficionado. This class will divide the state into six sections – three north and three south – and take a tour of each of them. From plains to peak, canyon to cliff, and stream to scenic highway, we will visit museums and scenic overlooks, walk trails and watch wildlife, always stopping to engage the land, life, and history of each.

Instructors: Holly Manley has a B.S. in microbiology/medical technology and an M.S. in technical communication, both from CSU. She has worked in medical laboratories and taught microbiology and other healthcare related courses for the last ten years.

Kevin J. Cook connected with nature during his childhood years. He earned degrees in biology and wildlife biology and has spent his entire adult life addressing the issues that arise between people and the natural world. His passion for the history of biology uniquely qualifies him for addressing the future.

The Craft of Novel Writing
#OSHR 1332 100

This course is designed to teach, discuss, and demonstrate through exercises, the essential building blocks for a fiction novel. Foundation learning, such as character development, plot structure, point of view, dialogue, and writing style, will be comprehensively covered. This interactive course will share the secrets and techniques the instructor has developed over his 18 years of writing.

Instructor: Chuck Barrett is the bestselling author of the Award-Winning Jake Pendleton series – Breach of Power, The Toymaker, and The Savannah Project, as well as his award-winning blockbuster, BLOWN, the first book in his new Gregg Kaplan series. His fifth thriller, and fourth in the Jake Pendleton series, DISRUPTION, was released in October 2016


Time: 1 - 4 p.m.
Dates: Fridays, Nov. 3, 10, 17, (no class Nov. 24) Dec. 1, 8, 15 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
SPECIAL PROGRAMS

Fall 2017 Open House: Curiosity Never Retires
★ #OSHR 1095 100

You won’t want to miss this annual event -- Osher’s Fall Open House! Meet our instructors, connect with Osher members, and share comments and questions. This is your opportunity to register for classes, perks and special programs, enter the Value Added Draw, and enjoy refreshments and camaraderie with fellow Osher members. Please bring a friend, neighbor or relative that is interested in learning more about Osher at Colorado State University!

Time: 1 - 4 p.m.
Date: Wednesday, August 30 - Please register by 5 p.m., August 28
Class Size: 250 participants
Cost: Free
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Food for Life: Cancer Prevention and Survival
★ #OSHR 1351 100

Studies have shown that a diet built from plant foods offers the most cancer-fighting protection of any diet plan. Reviews by the American Institute for Cancer Research showed that as much as 40 percent of cancer risk may be related to diet.

This Food for Life: Cancer Prevention and Survival class will offer a unique opportunity to acquire knowledge about the link between diet and cancer, experience the benefits of plant-based nutrition, and learn the practical cooking skills needed to help you on your journey to better health. Class topics include:

- Introduction to How Foods Fight Cancer
- Fueling Up on Low-Fat
- High-Fiber Foods
- Discovering Dairy and Meat Alternatives
- Cancer-Fighting Compounds
- Immune Boosting Foods Maintaining a Healthy Weight

Participants will enjoy a weekly cooking demonstration and taste delicious, healthful dishes. The final class in this series will be a grocery store tour with the instructor, especially designed to meet your shopping needs.

Instructor: Sapna Von Reich is a certified Physicians Committee for Responsible Medicine (PCRM) ‘Food for Life’ instructor. She recently received a certification in plant-based nutrition from Cornell University. She is a well-known plant-based food educator in Northern Colorado. She believes the food we eat can have a positive influence against many modern diseases like diabetes and cancer.

Time: 10 a.m. - Noon
Date: Mondays, Sept. 11, 18, 25, Oct. 2, 9, 16 (6 weeks)
Class Size: 25 participants
Cost: $100
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Art Studio Tours
★ #OSHR 1746 106

Prominent local artists invite you to join them in their studios to personally share their artistic process and creations. Each week, participants will meet with an artist at his/her studio for two hours of history, demonstration, and discussion. The tour schedule and artists include:

- 09/15 Jewelry, Gary Hixon
- 09/22 Mixed Media, Ayn Hanna and Barbara Gilhooly
- 09/29 Weaving/Woodworking/Furniture, Anne Bossert
- 10/06 Glass, Kathi Dougherty
- 10/13 Sculpture/Painting, Bob Coonts
- 10/20 Fabric/Paper Collage, Gwen Hatchette

Time: 1 - 3 p.m.
Date: Fridays, Sept. 15, 22, 29, Oct. 6, 13, 20 (6 weeks)
Class Size: 15 participants; 12 minimum
Cost: $75
Location: Individual Artists’ Studios
Creating an Artistic Eye - Photography
★ #OSHR 1750 100

In this highly interactive course, you will learn to be an artist first. See with your imagination, not your eyes; see something before you see it; make the common uncommon. You will learn two of Eli’s photography paradigms that serve as the foundation for his photo art, and the most crucial artistic tool: Composition. A workbook will be provided as part of the course. Amateurs and advanced photographers alike will gain insight from this class.

Instructor: Eli Vega has over twenty years of photography experience and has been teaching photography since 1993. Eli is an award-winning and highly published photographer and an author of two books. His new book, Right Brain Photography, is in its 3rd edition.

Time: Noon - 6 p.m.
Date: Friday, Sept. 29 (1 day)
Class Size: 15 participants
Cost: $70
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Pairing Wine with the Person, Not the Food
★ #OSHR 1319 100

Ever wonder why you like certain wines and not others? This course follows the book* written by Tim Hanni, Master of Wine, “Why You like the Wines You Like – Changing the way the World thinks about Wine.” You will learn what your personal Vinotype is and what are common delusions in the world of wine. You will explore your own sensory perceptions through a tasting series and questionnaire. The objective of the course is to leave you feeling empowered, enlightened, and entertained.

Instructor: Stephanie Davis, Certified Wine Educator and Podcaster is a wine personality and entrepreneur in the wine edutainment space. Her career as a wine professional evolved from a love of wine and an entrepreneurial spirit. Stephanie left her 12-year career as a clinical pharmacist in 2015 to give all her attention to her wine interest. She now builds brands and projects in the wine lifestyle sector and loves to collaborate with business owners. Connecting and growing relationships is Stephanie’s superpower.

Time: 10 a.m. - 3 p.m. (Lunch on your own from Noon – 1:00 pm)
Date: Saturday, Oct. 7 (1 day)
Class Size: 11 participants
Cost: $85 (Includes wine tasting, snacks and *book)
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Fern in the Granite: The Connection between Geology and Botany
★ # OSHR 1877 100

Geology represents the physical world, and botany represents the plant world. Because landscapes of the physical world differ place to place, lifescapes upon those landscapes also differ. Plants may thrive or vanish according to attributes such as rock type, soil chemistry, elevation, slope exposure, water retention, and other geology-based factors. Such details explain both Colorado’s mosaic of vegetation types and why one Colorado fern only grows in granite and one mustard grows best in shale. With two classroom sessions and one all-day field trip, this class will explain how geology and botany integrate to form the Colorado we recognize today.

Instructors: Since earning his degrees from Western State College and Colorado State University, Kevin J. Cook has worked as a writer-naturalist, a profession that has included writing, editing, teaching, lecturing, guiding, and consulting. While studying a heron colony in the 1970s, he realized herons rely on fish for food and trees for nesting, which stimulated a life-long pursuit of biological diversity. After a trip to South America in 2000, he realigned his ambitions to focus on the complete wildlife richness of Colorado: if it lives here, he wants to find it, get to know it, and share it.

Frank G. Ethridge, Professor Emeritus of Geology at Colorado State University, worked as a geologist with the U.S. Army Corps of Engineers, the Texas Highway Department, and Chevron Oil Co. Frank has conducted courses and led field trips for geological societies and petroleum companies. He taught geology at Southern Illinois University and Colorado State University for a total of 35 years. Frank has a long-term interest in the Geology of the Colorado Front Range.
Fern in the Granite: The Connection between Geology and Botany #OSHR 1877 100 (continued from previous page)

Time: 10 a.m. - 3 p.m. (Lunch on your own from Noon – 1 p.m.)
Dates: Monday, Oct. 23 and Tuesday, Oct. 24, 8 a.m. - 5 p.m., fieldtrip (2 days)
Class Size: 30 participants
Cost: $85 (includes chartered bus transportation)
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Wet, Wild, and Wonderful: How Else to Describe Our Water and Its Source?
#OSHR 1654 100

Fort Collins now ranks as fourth largest city in Colorado; neighboring communities have also been growing. Regional population growth means increasing demand for water. The Northern Integrated Supply Project (NISP) would impound Glade and Galeton reservoirs to meet this growing demand. Though everyone agrees on the need for water, not everyone agrees on how to provide that water. Three speakers with different perspectives will engage discussion about the challenges of water resources.

Instructors: Brian Werner, Public Information Officer of the Northern Colorado Water Conservancy District. Kevin J. Cook, nationally known naturalist. Dr. David Freeman, Professor Emeritus of water resources at Colorado State University.

Time: 4 - 6 p.m.
Dates: Mondays, Oct. 16, 23, 30 (3 weeks)
Class Size: 30 participants
Cost: $30
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Domestic and International Economic Issues Pre and Post Trump #OSHR 1192 100

Discussion of domestic and international economic issues including the 2016 Trump election that impact global economic development, markets around the world, job growth, security of the nation including cybersecurity, and frailty of the global economy. Political factors with economic impact such as “Brexit,” economic health of the EU, and growing influence of China on the global economy, will be discussed. Domestic issues include the role of the Fed, GDP growth, taxes, and willingness (and ability) of Congress to contribute to economic health (including both deficit and debt impacts), strong dollar, and the role of oil. Questions and discussion are encouraged.

Instructor: Ted Weston is a retired CSU business professor. Ted has previously given Osher presentations on both international economics and financial planning for retirement.

Time: 10 a.m. - Noon
Dates: Fridays, Oct. 27, Nov. 3, 10 (3 weeks)
Class Size: 30 participants
Cost: $30
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Course enrollment is on a first-come, first-served basis and is subject to availability. Register today!
Our Expanding Universe  
**#OSHR 1624 100**  

An illustrated journey through our continually expanding understanding of the universe, from the awe engendered by any clear night sky, to the discovery of heavenly bodies in the strangest of locations and conditions. From the explanations to try to understand it all (including a few, notable dead ends), to the climactic realization that the whole blessed universe is literally expanding before our eyes (and/or our telescopes). In fact, the universe is expanding at an accelerating rate! It’s as if the interest rate on your debts is increasing on a continual basis. It can be a bit unnerving, but also rather mind-expanding (pardon the pun). It can also be enormously entertaining. In our journey, we will also be considering various fun topics from: Zero Point Energy to sonoluminescence to the Big Bang (alternatively called the first “Om”), to strange worlds and even stranger life elsewhere, and of course to some clever attempts to piece it all together (or just try to ignore it all).

**Instructor:** Dan S. Ward has a Bachelor of Engineering Science, a Ph.D., in Nuclear Physics, and a rampant curiosity in all things astronomical, mathematical, and paradigm shifting. He has taught science, mathematics, architecture, mythology and other topics at the University of Texas, Colorado State University, and a host of other universities and schools.

**Time:** 1 - 3 p.m.  
**Dates:** Fridays, Nov. 3, 10, 17 (3 weeks)  
**Class Size:** 30 participants  
**Cost:** $30  
**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO

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**Osher Perk Series -** Register for these single session (one-time) presentations to learn about cutting-edge research and special interest topics. Perk lectures and events carry a charge of $5/Perk. Please note: fees are nonrefundable.

**World War II; The Mediterranean Theater of Operations, 1940 – 1942 Part 1**  
**#OSHR 3132 100 (Perk Series Lecture)**

In June 1940, the Italian Navy, supported by German naval and air forces, attacked the imperial British bases commanding the Mediterranean. In September 1940, Italy invaded Egypt, initiating the “Desert War”. British forces repelled Mussolini’s army and seized its strategic colonies in Ethiopia and Somalia. The battles in North Africa spilled over to the Levant and to the Balkans. Hitler conquered Greece and deployed Rommel’s Panzer forces into Libya to rescue Mussolini’s inadequate army. American naval and air units joined the Allies in 1942. Part II of this talk will be held on Monday, October 2 – register for OSHR 3134 100.

**Speaker:** Dr. Isaac Eliachar is a retired physician who headed the laryngotracheal reconstruction section at the Cleveland Clinic Foundation. Since his retirement, he has actively pursued his interests in World War II and post-war history, teaching history courses at the Palm Springs Air Museum and for the Osher Institute at Cal State San Bernardino, Palm Desert Campus.

**Time:** 3:30 - 5:30 p.m.  
**Date:** Monday, Sept. 11  
**Cost:** $5  
**Class Size:** 35 participants  
**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Fraud, Self-Deception, and Plagiarism
#OSHR 3142 106 (Perk Series Lecture)

This is the story of man’s failure to walk the straight and narrow in science, history, archeology, medicine and art. Breaches of ethics as encountered cover a spectrum of behaviors ranging from outright fraud and conscious falsification, through plagiarism, concealment of information, and erroneous research both deliberate and unintended. This presentation deals with the various aspects of misconduct in science and engineering -- both intentional and misunderstandings associated with poor science, flawed analysis and bias. Some of the most flagrant examples of misbehavior have been associated with publicly prominent figures -- historically respected forefathers, Nobel Prize laureates, and prestigious heads of professional societies.

Speaker: Robert Meroney is an Emeritus Professor and Senior Research Scientist/Scholar in Civil and Environmental Engineering at Colorado State University. In retirement, Dr. Meroney is a Master Naturalist with the Fort Collins Natural Areas Program. This talk is jointly sponsored by the CSU Society of Senior Scholars and the Osher Lifelong Learning Institute.

Time: 3 - 4:30 p.m.
Date: Monday, Sept. 18
Cost: $5
Class Size: 35 participants
Location: First Presbyterian Church, 531 S. College Ave., Fort Collins, CO

How Integrating Urban Water Systems Could Save Water in Colorado
#OSHR 3146 100 (Perk Series Lecture)

This lecture will give an overview of current practice with respect to how potable water, wastewater and storm water systems are managed. Participants will learn how water could be saved by looking at urban water management holistically, rather than as individual/independent systems. Use of graywater systems at the residential and multi-family level will be highlighted.

Speaker: Larry Roesner, Ph.D., is Professor Emeritus of Civil and Environmental Engineering.

Time: 10 a.m. - Noon
Date: Thursday, Sept. 21
Cost: $5
Class Size: 35 participants
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

World War II; The Mediterranean Theater of Operations, 1942 - 1943 Part 2
#OSHR 3134 100 (Perk Series Lecture)

During 1941-42 British Commonwealth armies captured Iraq, occupied Southern Persia, overcame French Vichy forces in Syria, and secured their positions in Egypt. Britain’s strongholds of Malta, Gibraltar, Alexandria, Cyprus, Palestine, and the Suez Canal persevered. After two and a half years of back and forth combats, at the Second Battle of El Alamein, the Commonwealth Eighth Army defeated the Axis forces and traversed Libya into Tunisia. In November 1942, Anglo-American forces landed in Vichy held French Morocco and Algeria (Operation Torch). The Tunisia campaign followed. By May 1943 the crushed Axis troops in Africa surrendered. The opening blows against Hitler’s “Fortress Europe” started from the Mediterranean.

Speaker: Dr. Isaac Eliachar is a retired physician who headed the laryngotracheal reconstruction section at the Cleveland Clinic Foundation. Since his retirement, he has actively pursued his interests in World War II and post-war history, teaching history courses at the Palm Springs Air Museum and for the Osher Institute at Cal State San Bernardino, Palm Desert Campus.

Time: 3:30 - 5:30 p.m.
Date: Monday, Oct. 2
Cost: $5
Class Size: 35 participants
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Wildlife, Hunting, Conservation and the Role of Private Landowners
#OSHR 3157 106 (Perk Series Lecture)

Legally hunting wildlife provides incentives and assets on private lands because it has personal, social, economic, legal, administrative and ecological values. Hunting actually provides a means to sustain wildlife in the face of depredations and human/wildlife conflicts. This seminar will discuss how wildlife-related recreation can be sustained by the proper balance of compensation to the land owners, public, and hunter. This talk is jointly sponsored by the CSU Society of Senior Scholars and the Osher Lifelong Learning Institute.

Speaker: Dr. Delwin Benson is Professor and Extension Wildlife Specialist in the Dept. of Fish, Wildlife, and Conservation Biology at Colorado State University since 1975. He has extensive experience concerning wildlife management in Canada, South Africa, Australia, South America and Europe.

Time: 3 - 4:30 p.m.
Date: Monday, Oct. 16
Cost: $5
Class Size: 35 participants
Location: First Presbyterian Church, 531 S. College Ave., Fort Collins, CO

How Fast Food Restaurants Formed a Lifestyle That Led to Their Growth and Popularity
#OSHR 3152 106 (Perk Series Lecture)

Re-live the past as stories behind the growth of McDonald’s, Wendy’s and other fast food chains are brought to life. Hear how these fast food restaurants have impacted our lifestyle and changed the way we eat. Coffee and soft drinks will be provided by our host, Wendy’s, for this early morning presentation.

Speaker: Osher member, Dennis Meader, retired Advertising Executive with 30 plus years of fast food advertising/marketing will share his career experience working behind-the-scenes in the fast-paced, fast food industry.

Time: 8:30 a.m. - 10 a.m.
Date: Wednesday, Oct. 18

Senator Justin Smith Morrill Addresses His Land Grant Act
#OSHR 3078 100 (Perk Series Lecture)

Over 70 Land Grant universities, including Colorado State University, have educated millions of Americans over a period of nearly 150 years. This was because of the Land Grant College Acts (1862 and 1890). The man who brought those about was Senator Justin Smith Morrill. Representative Albert Gallatin Riddle said of Morrill, “The scheme...was his --- an inspiration of genius... Few men have rendered more important service to the Republic than Justin S. Morrill.” This program will consist of a performance by Guy Kelley who will become Justin Morrill describing the passage of the 1862 Act while touring the country in 1885 in order to promote passage of a bill for annual appropriations and admissions regardless of race. The date will be February 13, 1885 and Senator Justin Smith Morrill will describe the passage of the 1862 Act and the importance of the contemporary supportive legislation.

Speaker: Guy J. Kelley currently teaches at Front Range Community College (Larimer Campus). Guy is a retired associate general counsel for Hewlett-Packard Company and a regent emeritus having served on the nine-member Board of the University of Colorado system from 1993 to 1999, chairing the Board from 1994 to 1995. He is on the board of the Friends of the Library, Morgan Library, Colorado State University (since 1998). He is a member of the Fort Collins Civil War Roundtable.

Time: 1 - 3 p.m.
Date: Tuesday, Oct. 24
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
How to Put Your Family History in Historical Context

#OSHR 3121 100 (Perk Series Lecture)

Family history is of enormously growing popularity not only for people aged 50 and better, but for people of all ages. For example, the University of Nebraska-Lincoln offers a course on family history which regularly draws 70 attendees. There is little doubt that our aging population, and the information that has been made accessible online, have greatly enhanced interest in genealogy. This presentation will explain how it is possible to create vivid impressions of the lives of our ancestors even when documents such as letters and diaries are few or non-existent.

Speaker: Bruce Pauley has done extensive work on family histories, given family history presentations nation-wide, and published an exemplary family history book, “Pioneering History on Two Continents.” He has authored five other books on Central European History, which concentrate on Nazism, anti-Semitism, and totalitarianism. In 2010, he was given Austria’s highest award for scholarship by the Austrian ambassador to the United States.

Time: 10 a.m. - Noon
Date: Wednesday, Oct. 25
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Finding Solutions to Human-Wildlife Conflicts

#OSHR 3173 100 (Perk Series Lecture)

For most of us, catching a glimpse of a wild animal is a thrilling experience. But for some that excitement can lead to annoyance when rabbits eat their garden, a woodpecker pokes a hole in their house, or a coyote attacks their dog. For others whose livelihoods depend upon the survival of crops or livestock, wildlife damage can be much more than an annoyance. To find effective, practical, and safe solutions to wildlife damage problems, science is key. As the research arm of the U.S. Department of Agriculture’s (USDA) Wildlife Services program, the National Wildlife Research Center is the only Federal research facility devoted exclusively to developing tools and techniques for use in wildlife damage management.

Speaker: Gail Keirn is a public affairs specialist for the USDA’s Wildlife Services program. She has a master’s degree from Colorado State University in wildlife biology. Gail provides outreach support to researchers at the National Wildlife Research Center.

Time: 1 - 3 p.m.
Date: Wednesday, Oct. 25
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

How Private is your Cyber Identity and what can you do to Protect It?

#OSHR 3178 100 (Perk Series Lecture)

Every day brings scarier news about cyber security breaches. Probability of a material data breach involving more than 10,000 records was 26% in 2016. A major cyber-attack on a large organization could cost upward of $400 million for clean-up. It is no longer a matter of if, but when, ones private information will get compromised. In this talk, we will go over some of the more common threats to personal information on the Internet and what we can do to safeguard it.

Speaker: Dr. Indrakshi Ray is a Professor of Computer Science at Colorado State University, where she teaches classes in Cyber Security and Privacy and also conducts foundational research in these areas.

Time: 3: 30 - 5:30 p.m.
Date: Monday, Nov. 6
Class Size: 35 Participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Exploring Social Media
#OSHR 3169 100 (Perk Series Lecture)

This session will introduce you to the latest and greatest social media tools and applications. Join us to explore different social media apps found on your smart phones and see what they offer. We will also explore the cyber "red flags" and learn how to stay safe while using apps online. Some apps to explore include: Flickr (to share photos), Facebook, Twitter, Instagram, Snapchat, as well as up and coming new apps. Talk to your family and friends to find out the names of some of the apps they have been using and we will explore what they do.

Speaker: Marianne Bauer has a master’s in educational technology from UNC. She taught K-12 computers and library skills, and currently works for CSU Online as a coordinator.

Time: 10 a.m. - Noon
Date: Thursday, Nov. 16
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Learning at Sea with Semester at Sea: What does the Academic Program Look Like?
#OSHR 3164 106 (Perk Series Lecture)

Professor Toni Schindler Zimmerman previously sailed as an instructor with Semester At Sea (SAS) in Spring 2017, Spring 2010, Summer 2013 (as mental health advisor), and as Academic Dean for Fall 2016. She began association with SAS in 2016 when the program was located at University of Virginia and moved association to CSU when SAS was relocated to Fort Collins. She is looking forward to sharing how academics are realized on ship learning in the unique environment of SAS. This talk is jointly sponsored by the CSU Society of Senior Scholars and the Osher Lifelong Learning Institute.

Speaker: Toni Schindler Zimmerman, Ph.D. is a Professor in the Department of Human Development and Family Studies. She has been at CSU since 1991 as the Program Director for the Marriage and Family Therapy graduate program.

Time: 3 - 4:30 p.m.

Ye Gods! Mythologies from Ancient Sumer, Egypt, and Greece, and possibly Alesund, Norway
#OSHR 3181 100 (Perk Series Lecture)

Imagine, if you will, a thoroughly dysfunctional family of gods roaming about the Earth, interfering with humans, inserting themselves into the evolution of mankind, and radically imposing themselves upon just about everything. And then, for wholly unimagined reasons, these gods and goddesses wandered off a few thousand years ago, and quit interfering with humankind. This in fact, pretty much what our ancient ancestors imagined. But then it’s as if they never really left, what with art in the last several hundred years continuing to retell their stories in every imaginable way. It must be something they said or did. Join us for a look at several notable ancient civilizations, and the wondrous mythologies they created.

Speaker: Dan Ward has been researching ancient history and the associated mythologies for the last sixty years (it all began with Gilamesh making an appearance in a science fiction novel). Dan has subsequently taught courses on the subject, as well as a host of other topics at Osher, University of Texas, Colorado State University and other venues.

Suggested Reading: Heir Apparent, a novel, available for reading at no cost: www.halexandria.org/dward527.htm

Time: 10 a.m. - Noon
Date: Friday, Dec. 1
Cost: $5
Class Size: 35 participants
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
How Experience Changes the Brain—A New Hope for Health and Medicine
#OSHR 3137 100 (Perk Series Lecture)

What happens to the brain with experience? This overview of neuroplasticity will describe how experience changes brain circuits/“maps,” gene expression, and the formation of new neurons, and how these changes can affect function and behavior. From this context, we will discuss the brain systems that need to be activated to induce these changes. Finally, we will discuss how to practically access the brain to effect positive changes for mental and physical health.

Speaker: Howard Nornes, Ph.D., is a professor emeritus in Colorado State University’s Department of Anatomy/Neurobiology. He has broad expertise in neuroscience and has written many articles in the area of the development and plasticity of the brain and spinal cord. Over his career, Howard has received numerous awards recognizing his research and teaching.

Time: 1 - 3 p.m.
Date: Friday, Dec. 1
Cost: $5
Class Size: 35 participants
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Nine Years in the Kingdom - Reflections on Living in Saudi Arabia and Teaching in a Saudi University
#OSHR 3186 106 (Perk Series Lecture)

This presentation will focus on two comparisons:
1. American universities of the presenters experience and King Fahd University of Petroleum and Minerals and
2. the experience of living in Saudi Arabia with attention to the similarities and differences with living in the U.S. As time permits, there will be discussion of the impact of globalization, geopolitics, and terrorism experienced while living there.

This talk is jointly sponsored by the CSU Society of Senior Scholars and the Osher Lifelong Learning Institute.

Speaker: James Cooper is a retired Associate Professor of Marketing, previously active at King Fahd University of Petroleum and Minerals, University of Nebraska, University of Wyoming, University of Portland and University of New Mexico. He holds a Ph.D. in Marketing from Michigan State University.

Time: 3 - 4:30 p.m.
Date: Monday, Dec. 18
Class Size: 35 participants
Cost: $5
Location: First Presbyterian Church, 531 S. College Ave., Fort Collins, CO
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