MARK YOUR CALENDARS

Spring 2018 Open House
Curiosity Never Retires

Tuesday, January 16
2545 Research Blvd., Drake Hall
Fort Collins, CO

You won’t want to miss this annual event — Osher’s Spring 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 January 9 for the Open House by enrolling in #OSHR 1095 100.

Special Announcement

There is still time to support CSU Osher and help us reach our annual giving goal of $12,000. 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

Colorado State University is an equal opportunity/affirmative action institution and complies with all Federal and Colorado State laws, regulations, and executive orders regarding affirmative action requirements in all programs.

OSHER LIFELONG LEARNING INSTITUTE
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.oshers.colostate.edu](http://www.oshers.colostate.edu).
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.
• 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. Special Programs and Perk Series Lectures do not qualify as an Osher 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.
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
The Osher office will be closed for the following University holidays:

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## Perks

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The stories of our lives could be told through cloth: how we use it, what it means to us and to others and the significance of cloth in various cultures. We’ll explore how textiles have helped humans survive, communicate, express beauty, etc. Cloth is part of our past and future: embedded in our consciousness in ways that we may not be aware. Textiles are part of the human story – our story. Through reading and sharing stories and textiles, we’ll discover some of the hidden meanings in cloth. Please bring a significant piece of cloth to the first class.

**Instructor:** Currently an adjunct faculty member at CU Boulder teaching exhibit design and development, Judy Newland has worked in the museum field for more than fifteen years at a variety of university museums. She taught a variety of graduate seminars, including Exhibit Design and Development, Museums and Popular Culture, and Material Culture and the Anthropology of Art. Her museum research aims to understand and advance a collaborative exhibit development process. Her textile history research includes archaeological textile fieldwork in Peru and cultural textile practices around the world. Judy has a special interest in weaving in the Southwest and is a practicing weaver and sustainable natural dyer.


**Time:** 10 - Noon

**Dates:** Mondays, Jan. 29, Feb. 5, 12, 19, 26, Mar. 5 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

**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!
The U.S. in the 1950s
★★ #OSHR 1164 100

This course will examine the decade of the 1950s in the U.S. and will suggest answers to some of the key questions about that period. Since Dwight Eisenhower was one of the most popular presidents in U.S. history, why didn’t Eisenhower Republicanism survive beyond that decade? Why was the U.S. unable to win the Korean War? What led to the emergence of McCarthyism and what effect did it have on American society? Why did the civil rights movement erupt in the 1950s? Why is the decade that gave us rock and roll music remembered for its cultural conservatism?

Instructor: Hal Smith taught history for forty years at the University of Houston-Victoria, the University of Montana, and the University of Missouri-Kansas City. He 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, Jan. 29, Feb. 5, 12, 19, 26, Mar. 5 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Colography: The Documentation of Colorado
★★ #OSHR 1811 100

Properly defined, the term “geography” means “the documentation of Earth.” Extending this concept gives us “Colography,” the “documentation of Colorado.” Our state sprawls across three great geographic regions and thus blends characters from each. So how many mountain ranges do we have, and do they all really run north-south? How many parks do we have, and what is a “park,” anyway? Where are these landscape features and how did they get there? How many cactuses and orchids, owls and hummingbirds – how much life – garnishes the landscapes with distinctive lifescapes? “Colography: The Documentation of Colorado” will examine the physical and biotic details of the state we call home, all done with a mind for traveling to see it.
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: 2 - 4 p.m.
Dates: Mondays, Jan. 29, Feb. 5, 12, 19, 26, Mar. 5 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Our Amazing Universe – What is, Was and Can be
#OSHR 1614 100

This course will highlight those strange beasts that continually astound the bystander. It will include a wealth of topics, from the strange planets of Trappist-1 and our own solar system, to the fascinating world of Higgs Bosons, Sonoluminescence, and time dilation...not to mention Special General and Slightly Weird Relativity. These wonders of extreme left-brain science will be presented by someone with a brain slightly right of center. And if you ever wanted to visit the planet Saturn, this really is the perfect course for you.

Instructor: Dan S. Ward, has a Bachelor of Engineering Science and a Ph.D., in Nuclear Physics. He has taught science and engineering at Colorado State University and the University of Texas, and currently teaches geopolitics, ancient and classical history, mythology, and astronomy at Osher.

Time: 10 a.m. - Noon
Dates: Mondays, Mar. 19, 26, Apr. 2, 9, 16, 23 (6 weeks)
Class Size: 35 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 Power Points. 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, and NATO. Trained by the CIA and DIA, he has extensive personal experience as a Cold War human intelligence collector and all-source analyst.

Time: 10 a.m. - Noon
Dates: Mondays, Mar. 19, 26, Apr. 2, 9, 16, 23 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Idea of America: Our Values, Our Legacy, Our Future

This course seeks to revisit the ideals upon which the United States was built, full of high ideals but lacking in practice. Fully acknowledging this tension, we shall engage in a discussion of civics, the individual and civic responsibility of citizens to know and help the government live up to its ideals in practice. As part of the Idea of America Network, this class is based on the United States being founded on enlightenment values that proclaim the inherent equality of all human beings and promotes education, individual and civic responsibility for our happiness, and unity as a nation.

Instructor: Ray Black is an assistant professor of ethnic studies who researches antebellum slave narratives as survival stories, as well as the retention and success strategies of African American undergraduate students. He views and
teaches the country’s founding documents as the basis for civil rights and civic responsibility.

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

**Dates:** Mondays, Mar. 19, 26, Apr. 2, 9, 16, 23 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

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

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**Dig Deep - Crude Oil and Natural Gas Development**

#OSHR 1608 100

Do you want the inside scoop on contentious issues such as fracking, global warming, surface vs. subsurface ownership, profit vs. income, and regulation vs. inspection/enforcement? This course will help you understand the background and procedures for exploration and production of oil and gas including: the geology of oil and gas; techniques used to determine where accumulations might be; drilling wells and developing fields; reservoir engineering and the economics/history of the oil industry.

**Instructor:** Harry Mueller earned his Ph.D. in geology from the University of Texas, Austin. From 1975 to 2008, he worked in the oil and gas industry with responsibilities for geological research and training and interpretation of field- and well-derived data to aid exploration and production.


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

**Dates:** Mondays, Mar. 19, 26, Apr. 2, 9, 16, 23 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Enjoy the opportunity to hear six accomplished authors reveal the story behind their stories. This is a book lover’s forum to witness the insights and perspectives of the story creators.

**Tuesday, January 23** – Anthony and Janet Seahorn co-authored *Tears of a Warrior*, a book about combat and PTSD. Janet holds a Ph.D., in human development and organizational systems. Anthony received two bronze stars and two purple hearts for his service in Vietnam with the Army First Infantry Division. Their hopeful and compelling story is told from both the perspective of a spouse and a warrior.

**Tuesday, January 30** – Terry Frei is a longtime and highly honored sports writer for the Denver Post. Terry has seven titles to his name, but will focus on *The Olympic Affair*, based on the unfolding adventure of the 1936 Berlin Olympics decathlon champion, Glenn Morris, and his affair with German actress and Olympic film director, Leni Riefenstal.

**Tuesday, February 6** – Chuck Barrett is known to Osher as an instructor/novelist. Chuck will take us through his award winning *Jake Pendleton* series, his 2015 release *Blown*, and the background of his latest book, *Disruption*.

**Tuesday, February 13** – Bill Lamperes, a local hero educator and novelist, has produced an amazing number of novels since his retirement. My favorite is *The Attendant*. Others include: *Bar Exam*; *Deposition*; *Jinx, Like Father, Like Son*; and *The Artifact*.

**Tuesday, February 20** – Another Osher treasure is Sara Hoffman, a 2017 Colorado Author League finalist for her novel, *Finding Baby Ruth*, a story about a woman in the 1920s who dares to dream of a life as exciting as the heroines in her beloved Zane Grey series. Sara's book is a delightful, emotional read taking us into the moral dilemmas and challenges facing women in that time and based upon a true story.

**Tuesday, February 27** – Cole Thompson, a well-known local black and white photographer, is our first non-author presenter. Recognized globally for his photography, he'll show examples and tell the stories behind his projects, including Easter Island, Faroe Islands, Auschwitz, and the U.S. from coast to coast.
Facilitator: Nancy Hansford is a longtime freelance writer and an author of two titles: *Fort Collins Highlights* and *Northern Colorado Ghost Stories*. Nancy spent four years writing about local authors as a columnist for the Coloradoan.

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

**Dates:** Tuesdays, Jan. 23, 30, Feb. 6, 13, 20, 27 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

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

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**Primary Gestures: Spinning the Ancient Art Globe**

★★ #OSHR 1316 100

This course focuses on the objects and architecture of the global ancient world. Commencing with the earliest known examples from around the globe, you will learn what people believed, where, when and how they lived, plus whom they worshipped, whom they feared, and the stories their artworks are left to tell. Discussion topics will include: 1) The Prehistoric: Images Before Words; 2) The Art of Mesopotamia: Polytheism, Beauty, and Power; 3) Art and Architecture of Egypt: Variations on the Theme of Stability; 4) The Art of Indigenous America: Unity with the Natural Worlds; 5) Ancient Asia: Warriors, Walls, and Worship; and 6) Ancient Africa: Expressions and Action.

**Instructor:** Margaret Sharkoffmadrid is a part-time art history faculty member at FRCC and consultant for the College Board’s national AP art history program. She previously taught art history in the Washington, DC area and served on faculty panels at the Denver Art Museum, The Corcoran Gallery of Art, and the National Gallery of Art.

**Readings:** Online subscription to Art Daily (free): [artdaily.com](http://artdaily.com); New York Times Art and Design Section (online or print): [nytimes.com/section/arts/design](http://nytimes.com/section/arts/design)

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

**Dates:** Tuesdays, Jan. 30, Feb. 6, 13, 20, 27, Mar. 6 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
History of World War II
★ #OSHR 1181 100

World War II was the largest single event in world history. Its impact has been felt for generations. Since it has been featured in countless books, films, and documentaries – and touched our individual lives – most students come into this class with some prior knowledge of the subject. The war’s origins and all of its major events and campaigns will be covered, and the controversies over some of them will be featured.

Instructor: Henry Weisser was a professor of history at Colorado State University for 39 years and is now a professor emeritus. He earned a Ph.D. from Columbia University. He has visited many World War II sites over the years and previously taught World War II history at CSU.


Time: 10 a.m. - Noon

Dates: Tuesdays, Jan. 30, Feb. 6, 13, 20, 27, Mar. 6 (6 weeks)

Class Size: 35 participants

Cost: $60

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

Writing from the Heart Under Your Heart
★ #OSHR 1322 100

Craig Arnold’s poem “The Heart under Your Heart” traces the often unshared layers of meaning within us—our layered sorrows, revelations, fears, scars, and joys. In this class, as we write poetry, nonfiction, and fiction, we’ll focus on ways to dig for the words under the words. (You’re always free to pursue other writing.) Each week we’ll write during class and draw ideas from effective pieces of writing. Each week’s writing prompts will point to exploring your experience in both prose and poetry. New writers are welcome.

Instructor: Veronica Patterson is a writer, freelance editor, and teacher. Her poetry collections include *How to Make a Terrarium* (Cleveland State University, 1987); *Swan, What Shores?* (NYU Press Poetry Prize, 2000), *Thresh and Hold* (Gell Poetry Prize, 2009), and *it had rained* (CW Books, 2013), and two chapbooks. Her collection, *Sudden White Fan*, will be published in 2018.

Time: 2 - 4 p.m.

Dates: Tuesdays, Jan. 30, Feb. 6, 13, 20, 27, Mar. 6 (6 weeks)

Class Size: 15 participants

Cost: $60

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

German for Beginners

★ #OSHR 1235 100

Participants will learn to speak, read, write and listen in German. The following basics will be covered: how to get around in a German-speaking country and how to converse in German. Topics will include: greetings, hobbies, daily routine, telling time, and family.

Instructor: Dr. Gesa Zinn has a Ph.D. in German from the University of Minnesota and is a special assistant professor in languages, literatures and cultures at CSU. Zinn is also a member of CSU’s Honors Program. Additional credentials include: Teacher and Literacy Specialist, Twin Cities German Immersion School; Program Director of German Studies Program from 2001 until 2014, University of Minnesota, Duluth; and Visiting Professor at Aalto University, Finland (summers). Zinn is a native speaker of German.


Time: 4 - 6 p.m.

Dates: Tuesdays, Jan. 30, Feb. 6, 13, 20, 27, Mar. 6 (6 weeks)

Class Size: 30 participants

Cost: $60

Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Shock of the New: The Last 100 Years of Art History
#OSHR 1754 100

Touring a modern art museum or art gallery can be a daunting experience. Starting with the French Impressionists, this course will explore the past century of rapid cultural change driven by technology, war and the evolving relationships of men and women with each other and with society. The visual arts are a powerful avenue toward understanding our recent history. Observation, discussion, and debate will be encouraged.

**Instructor:** Joe Osmann, M.F.A., is a retired college professor 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:** 10 a.m. - Noon

**Dates:** Tuesdays, Mar. 20, 27, Apr. 3, 10, 17, 24 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

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

Ink Drawing Techniques for Artists and Illustrators
#OSHR 1724 100

Develop your subject preferences by exploring line and tonal techniques with pens and washes. At an individual pace, students will experiment with line contour, crosshatching and watercolor washes. Traditional and contemporary methods will be demonstrated and followed by individual instruction.

**Instructor:** Joe Osmann, M.F.A., has taught art history and studio art for forty years. His approach emphasizes the creative process from idea development to finished work of art. Instruction is student-centered and interactive.

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

**Dates:** Tuesdays, Mar. 20, 27, Apr. 3, 10, 17, 24 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
World Geography, Country-by-Country

Enjoy a series of six lectures organized by continent, starting with North America, then moving to Central America, and then to South America. European countries are divided geographically according to their location to oceans and seas. Africa is split into its west and east coasts and the Mediterranean. The Middle East and Asia, as well as unusual places like Greenland and Antarctica, will be included. The course is ideal for those with a deep curiosity about the world and a strong desire to travel to foreign locations.

Instructor: Kenneth Jessen is a well-published author with 20 books to his credit. He is best known for his series on Colorado ghost towns. Jessen also writes two articles a week for the Loveland Reporter-Herald. He has appeared on CBS Sunday Morning with Charles Osgood and has made seven appearances on Denver Channel 4. Jessen also lectures throughout Northern Colorado and with Osher. His interest in world geography stems from having spent two and a half years touring the world, including four circumnavigations of the globe.

Time: 1 - 3 p.m.

Dates: Tuesdays, Mar. 20, 27, Apr. 3, 10, 17, 24 (6 weeks)

Class Size: 35 participants

Cost: $60

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!
Great Decisions: Shaping U.S. Foreign Policy: Putting the Pieces Together
#OSHR 1016 100

Are you fascinated by foreign societies, but unable to travel abroad? This course offers the learning experience of travel without a passport. Learn about distant and intriguing countries through the examination of international affairs and global issues. Offered in partnership with the League of Women Voters of Larimer County, this class – part of the Great Decisions program – features group interactions to enhance understanding of foreign policy issues and their global impact. Discussions focus on readings and materials published by the Foreign Policy Association. Topics include:

• The Waning of Pax Americana
• Russia’s Foreign Policy
• China and America: The New Geopolitical Equation
• Media and Foreign Policy

Facilitator: Kay Easley, M.S., Chair, and members of the International Relations Team of the League of Women Voters, Larimer County.


Time: 10 a.m. - 12:30 p.m.

Dates: Tuesdays, Apr. 3, 10, 17, 24 (4 weeks)

Class Size: 18 participants

Cost: $50

Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Rome, Paris, Berlin Through an Art Historian’s Eyes  
★ #OSHR 1424 100

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

Instructor: Annie Krieg earned her M.A. and Ph.D. in art history at the University of Pittsburgh, specializing in modern German and Central European architecture. She enjoys sharing her love of visual culture and socio-political history as an instructor in CSU’s Department of Art and Art History, and with Osher.

Time: 10 a.m. - Noon
Dates: Wednesdays, Jan. 31, Feb. 7, 14, 21, 28, Mar. 7 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Fake News, Alternative Facts, and the First Amendment  
★ #OSHR 1177 100

Are fake news and alternative facts new phenomenons? How has the growth of social media and the 24-7 news cycle affected the protections of free press and free speech under the First Amendment and the common law protections of libel and slander? What, if any, burdens or tensions do these new circumstances place upon these freedoms? What can the individual citizen do to discern fake news or alternative facts? This course will review the philosophic foundations of the First Amendment and examine past and current examples of assaults upon the First Amendment from the political left and right, and upon academic freedom in our universities. It will consider the impact of think tanks, as idea factories, upon the marketplace of ideas and whether the Congress, in considering legislation to regulate social media, may
Fake News, Alternative Facts and the First Amendment  
#OSHR 1177 100 (continued from previous page)
be about to encroach upon traditional press and speech protections of the First Amendment.

Instructors: Professor 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, and CSU, where he is currently a professor emeritus. Richard Alper, an attorney, has studied, taught and practiced constitutional law in the context of serving in county and state government and taught conflict resolution at the University of Wyoming, the University of Northern Colorado, and The Johns Hopkins University Carey School of Business.

Time: 10 a.m. - Noon.

Dates: Wednesdays, Jan. 31, Feb. 7, 14, 21, 28, Mar. 7 (6 weeks)

Class Size: 35 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:** 12:30 - 3:30 p.m.  
**Dates:** Wednesdays, Jan. 31, Feb. 7, 14, 21, 28, Mar. 7 (6 weeks)  
**Class Size:** 18 participants  
**Cost:** $90  
**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO

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**The U.S. History Class You Wish You Had Paid Attention to in High School**

🌟 #OSHR 1184 100

So many adults wish that they had paid closer attention in their U.S. history classes, that they remembered more of what was covered, or that they could have taken a history class that covered the time since they graduated. This class will review the major themes, events, and characters that led up to some of the events that are happening today, putting them in context. There will be no discussion of tariffs or Millard Fillmore.

**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 in the 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:** 1 - 3 p.m.  
**Dates:** Wednesdays, Jan. 31, Feb. 7, 14, 21, 28, Mar. 7 (6 weeks)  
**Class Size:** 35 participants  
**Cost:** $60  
**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Climate 101: How the Earth’s Climate Works
★ #OSHR 1609 100

Learn how the Earth’s climate really works: how the Earth balances heat between incoming sunlight and the cold void of interplanetary space; heat storage in the tropics and the flow of heat to the poles by winds, weather, and ocean currents; the slow march of continents; the 1000-year conveyor belt of energy through the deepest seas; and the relentless grinding of the polar ice. Discover how climate changes in the past have shaped and have been shaped by the Earth itself, and how the breathing of living things has developed. Learn how people have adapted to climate, and how the Earth’s climate is changing today.

Instructor: Scott Denning is Monfort Professor of Atmospheric Science, and leads a research group studying carbon and climate. His lifelong fascination with the world in which we live led him to a Bachelor’s degree in Geology, jobs in the oil industry, years of field work in Rocky Mountain National Park, a Ph.D. in climate science, and a rewarding hobby in amateur astronomy. One of the most enthusiastic teachers you’ll ever meet, he is a frequent public speaker. He’s lived in Fort Collins for nearly 35 years, and lives with his wife, two cats, and a Chocolate Lab named Terra.


Time: 4 - 6 p.m.

Dates: Wednesdays, Feb. 7, 14, 21, 28, Mar. 7 (5 weeks)

Class Size: 30 participants

Cost: $50

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

Nationalism - the Good, the Bad, and the Ugly
● #OSHR 1056 100

Why do we care about the “nation”—an abstract concept born in Europe barely three centuries ago and that most of us have trouble defining? Why does our nationality matter so much? These are the core questions for our exploration of the history and meaning of nationalism. Our exploration will include the importance of citizenship, language, and religion (both “civil” and otherwise). For purposes of illustration, the course will focus on contemporary cases from Asia and Europe.
Instructor: Sue Ellen Markey (Charlton) retired after 43 years of teaching at CSU. She has also taught in France, India, Japan, Wales, and on the Semester at Sea program. She taught a variety of course in comparative politics, international relations, and development studies. Her recent publications focused on Asia (Comparative Asian Politics: India, China, and Japan, 4th edition, 2015, Westview Press) and gender and development (Women Navigating Globalization: Feminist Approaches to Development, with Jana Everett, Rowman and Littlefield, 2014).

Time: 10 a.m. - Noon.
Dates: Wednesdays, Mar. 21, 28, Apr. 4, 11, 18, 25 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

The Development of the Modern Theatre Building as a Tool of the Theatre Artist
#OSHR 1409 100

This course will trace the evolution of the Western theatre building from its beginnings in the 6th century BCE to contemporary times. Course material will focus on the architectural and practical development of performance spaces, as well as the rationale for their development. The contention of this course is that the place of the theatrical performance is an outgrowth of the artistic requirements of the piece to be performed and therefore should be seen as a tool to facilitate the work of the performers.

Instructor: Robert Braddy retired from CSU’s Theatre Program after 31 years, where he was an associate professor and scenic designer in residence. He also taught theatre history and the theatre crafts. Robert’s training in theatre began in high school, continued through Willamette University, the University of Washington, and the University of Iowa.

Time: 10 a.m. - Noon.
Dates: Wednesdays, Mar. 21, 28, Apr. 4, 11, 18, 25 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Reincarnation vs. Yin and Yang? - Introduction to the Humanities of India and China

India and China are two of the oldest cultures on earth and evolved very differently. At times in history, each was the most sophisticated and most technologically advanced civilization in the world. We will compare the major historical themes, inventions, philosophies, religions, art, and music from their traditional roots and golden ages before the calamity of European invasions.

Instructor: Sally Purath earned a B.A. in social sciences, certification to teach language arts, and a M.Ed. at Colorado State University. She also has extensive training in Asian humanities. Sally taught for 26 years in the Poudre School District, specializing in the humanities of Asia, Europe, Africa, Middle East, and Latin America. She has studied religion and culture in Japan, China, India, Peru, and Europe and has led National Endowment for the Humanities institutes and other workshops for Poudre School District teachers.

Time: 1 - 3 p.m.

Dates: Wednesdays, Mar. 21, 28, Apr. 4, 11, 18, 25 (6 weeks)

Class Size: 35 participants

Cost: $60

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

Art and World War II

When we think of Nazi Germany, Fascist Italy, or Stalinist USSR, we don’t immediately think of images of architectural commissions or public sculpture, yet cultural production in all of the major world powers during the 1930s and 1940s reflects crucial elements of their societies and political ideologies. This class will explore the art and architecture of Nazi Germany, Fascist Italy, the Stalinist Soviet Union, and the United States and explore the fate of modern art during this tumultuous time.

Instructor: Annie Krieg earned her M.A. and Ph.D. in art history at the University of Pittsburgh, specializing in modern German and Central European architecture. She enjoys sharing her love of visual culture and socio-political history as an instructor in CSU’s Department of Art and Art History, and Osher.
**Climate 201: Modern Climate Change**  
#OSHR 1623 100

Everyone has heard about global climate change. This course will examine the real story about how it works, why it’s happening, and how it’s likely to play out over the coming decades and even centuries. Find out how climate change is impacting people, ecosystems, and economies, and how these impacts may develop. Learn about feasible solutions for mitigating or adapting to climate change, and contribute to a lively discussion of the costs, benefits, and politics. Please enroll in OSHR 1609 first to gain a background about how the Earth’s climate works and how it’s changed in the past.

**Instructor:** Scott Denning is a Monfort Professor of Atmospheric Science, and leads a research group studying carbon and climate. His lifelong fascination with the world in which we live led him to a Bachelor’s degree in Geology, jobs in the oil industry, years of field work in Rocky Mountain National Park, a Ph.D. in climate science, and a rewarding hobby in amateur astronomy. One of the most enthusiastic teachers you’ll ever meet, he is a frequent public speaker. He’s lived in Fort Collins for nearly 35 years, and lives with his wife, two cats, and a Chocolate Lab named Terra.


**Time:** 4 - 6 p.m.

**Dates:** Wednesdays, March 21, 28, Apr. 4, 11, 18 (5 weeks)

**Class Size:** 30 participants

**Cost:** $50

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Making a Splash with Watercolor – Getting Started

Have you ever wanted to try your hand at watercolor, but felt like you didn’t have the time or were afraid you might not be able to do it? FEAR NOT. This class will have you putting paint on paper in the very first class. Your instructor makes it easy to understand and will have you painting fast! It’s fun, it’s liberating, it’s creating something of your own. This could be your dedicated time each week to cut loose and try something that might be life-changing! Come join other like-minded enthusiasts and try your hand at watercolor painting. As a group you’ll discover how much fun it is to paint. Designed for the novice painter. Registration is available for both sessions.

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. Pitching creative concepts provided a strong foundation in working successfully with people. 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.

Section 100
Time: 9 a.m. - Noon
Dates: Thursdays, Jan. 25, Feb. 1, 8, 15, 22, Mar. 1, 8 (7 weeks)
Class Size: 19 participants
Cost: $105
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Section 101
Time: 9 a.m. - Noon
Dates: Thursdays, Mar. 15, 22, 29, Apr. 5, 12, 19, 26 (7 weeks)
Class Size: 19 participants
Cost: $105
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Journey Through a Book: The Buried Giant

Pack your suitcases with imagination and awe for our journey through The Buried Giant. Written by recent Nobel Prize winner Kazuo Ishiguro, The Buried Giant is a story about love, war, the act of forgetting, and the power of memory. It’s a “down to-earth” fantasy novel (no vampires; a few ogres) that’s about a couple who set off across a troubled land of lost memories in search of a son they fail to remember having. We’ll look deeply into the story and the author’s
writing techniques, including voice, characterization, and plot. A great class for ardent readers and writers who want to improve their skills.

**Instructor:** Sara Hoffman has been a writer for most of her life. She’s taught journalism and writing for 30 years at various institutions, including Colorado State University. She released her first novel, *Finding Baby Ruth*, in December 2016.


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

**Dates:** Thursdays, Feb. 1, 8, 15, 22, Mar. 1, 8 (6 weeks)

**Class Size:** 25 participants

**Cost:** $60

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

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**Earth History – The Last 541 Million Years**

★★ #OSHR 1896 100

In this journey through the last 541 million years of Earth history, we will examine the co-evolution of the lithosphere, atmosphere and biosphere. We will reconstruct the formation and breakup of super continents, the formation of mountain ranges, flooding and emergence of land areas and the warming and cooling of climates. We will also examine the evolution of life from the explosion of marine invertebrate organisms with shells to the invasion of land by plants and animals, the origin and extinction of dinosaurs and the evolution of mammals and humans. The course is designed for those with an interest in geologic processes and history, including biological evolution.

**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 Commission, 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.

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

**Dates:** Thursdays, Feb. 1, 8, 15, 22, Mar. 1, 8 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
For those who want to learn some of the fundamental elements needed to produce a dramatic painting, this is the class for you! Join us as we explore the use of negative shapes in watercolor painting. Find out how to execute lost edges, soft edges, and blending effectively. Getting a grip on good brushwork is a learned skill that can be taught. In order for edgework to be varied (lost, softened, blended, or hard-edged) you need to find a comfort zone with your brushwork. Class participants need to have some previous experience with watercolor.

**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. Pitching creative concepts provided a strong foundation in working successfully with people. 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.

**Section 100**

**Time:** 1 - 4 p.m.

**Dates:** Thursdays, Jan. 25, Feb. 1, 8, 15, 22, Mar. 1, 8 (7 weeks)

**Class Size:** 19 participants

**Cost:** $105

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

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**Section 101**

**Time:** 1 - 4 p.m.

**Dates:** Thursdays, Mar. 15, 22, 29, Apr. 5, 12, 19, 26 (7 weeks)

**Class Size:** 19 participants

**Cost:** $105

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

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Course enrollment is on a first-come, first-served basis and is subject to availability. Register today!
Payment Information

Check □ payable to Colorado State University

Credit card □ □ VISA □ □ MasterCard □ □ American Express □ □ Discover

Name on card __________________________________________

Card number ________________________ Exp. date ________ Security code ________

Signature ____________________________ Date ___________________

$ _______ Total fee

$ _______ I would like to make an additional tax-deductible contribution to support Osher.

○ $25 ○ $50 ○ $100 ○ Other $ _______

$ _______ Total amount

We value your support!

Colorado State University Online
1040 Campus Delivery, Drake Hall
Fort Collins, CO 80523-1040

(970) 491-7753
Fax: (970) 491-7885
www.oshер.colostate.edu
## Select Perk Lectures ($5 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.

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## Select Special Programs

If you have registered for at least one course, you are eligible to participate in the Value-Added Draw. Special Programs and Perk Series Lectures do not qualify as an Osher course. Entries must be received by January 19, 2018 at Drake Hall, 2545 Research Blvd, Fort Collins, CO 80526.

The draw will be held January 19, 2018, at Drake Hall, 2545 Research Blvd, Fort Collins, CO 80526. The draw will be held January 19, 2018.

Select Value-Added Draw Courses

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### Select Perk Lectures ($5 per Perk)

Members receive one free perk lecture per year with membership.

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### Select Special Programs

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### Rank Order Preference of Courses by Number and Title

Confirm (office use only)

SPRING 2018

RegISTRATION FORM

MEMBERSHIP and
Membership

☐ $35 per Year (Membership is required to register for Osher courses, special programs, and perk lectures.)

Thank you for joining Osher

Personal Information

☐ I am a renewing Osher member  ☐ I am a new Osher member

Name ____________________________

Address ____________________________  City ____________________________  ZIP code __________
The Hebrew Bible – Not Just Your Pastor’s Old Testament! (Part 1)
★ #OSHR 1083 100

Jews read their Hebrew Bible differently from how Christians read the same Books as their Old Testament. Learn about the history of these Books, and how they appear different through a Jewish lens. This course will cover the Pentateuch and the Books of Joshua, Judges, Samuel, and Kings.

Instructor: Rabbi Hillel Katzir has been teaching Judaism and the Hebrew Bible for twenty years, and has been the Spiritual Leader of Congregation Or Hadash in Fort Collins since 2015.

Reading: Any Bible: The Pentateuch, the Books Joshua, Judges, Samuel, and Kings

Time: 4 - 6 p.m.

Dates: Thursdays, Feb. 1, 8, 15, 22, Mar. 1, 8 (6 weeks)

Class Size: 35 participants

Cost: $60

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

When the World is Too Much with Us
★ #OSHR 1354 100

When we feel buffeted by events and news, what happens to our poetic inclination, our inspiration and wonder? Does it swell with purpose? Or does it plunge into deep despair and futility? We’ll explore poetic strategies and techniques for staying afloat as a writer in a world that teems with beauty and terror, wisdom and absurdity, progress and injustice. We will write poems of lamentation, contemplation, and exultation, and reclaim/recast language with newspaper cut-ups and textual erasure. New writers are welcome.

Instructor: Chloé Leisure holds an M.A. from Northern Arizona University and an M.F.A. in Poetry from Colorado State University. Leisure was the 2014 Fort Collins Poet Laureate and is the author of the chapbook The End of the World Again.

Time: 4 - 6 p.m.

Dates: Thursdays, Feb. 1, 8, 15, 22, Mar. 1, 8 (6 weeks)

Class Size: 15 participants

Cost: $60

Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Journey Through a Book: “All the Light We Cannot See”  
#OSHR 1338 100

Join us for a journey through the novel *All the Light We Cannot See* by Anthony Doerr. This award-winning book is set in occupied France during WWII, and focuses on a blind French girl and a German boy whose paths eventually cross. We'll look deeply into the story and the author's writing techniques, including voice, characterization, and plot. A great class for ardent readers and writers who want to improve their skills. You'll never read a book the same way again after this class! Just remember: Books get heavier when you quantify their interiors.

**Instructor:** Sara Hoffman has been a writer for most of her life. She's taught journalism and writing for 30 years at various institutions, including Colorado State University. She released her first novel, *Finding Baby Ruth*, in December 2016.

**Reading:** Doerr, Anthony, *All the Light We Cannot See*, ISBN: 978-1-5011-7321-9

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

**Dates:** Thursdays, Mar. 22, 29, Apr. 5, 12, 19, 26 (6 weeks)

**Class Size:** 25 participants

**Cost:** $60

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

New Landscapes, New Eyes: Poetry and Discovery  
#OSHR 1373 100

Marcel Proust wrote: “The only true voyage of discovery [...] would be not to visit strange lands but to possess other eyes, to behold the universe through the eyes of another, of a hundred others...” In this class, we will explore how curiosity and keen observation can gift us “new eyes” when writing poetry, and how reading others’ poetry can bring us closer to compassion, empathy, and self-discovery. Through guided writing exercises, readings, and discussions, we'll endeavor to learn more about ourselves, others, and the world through poetry. New writers are welcome.

**Instructor:** Chloé Leisure holds an M.A. from Northern Arizona University and an M.F.A. 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 chapbook *The End of the World Again.*

**Time:** 4 - 6 p.m.

**Dates:** Thursdays, Mar. 22, 29, Apr. 5, 12, 19, 26 (6 weeks)

**Class Size:** 15 participants

**Cost:** $60

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

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**The Hebrew Bible – Not Just Your Pastor’s Old Testament! (Part 2)**

#OSHR 1097 100

Jews read their Hebrew Bible differently from how Christians read the same Books as their Old Testament. Learn about the history of these Books, and how they appear different through a Jewish lens. This course will cover the Books that are named for the Prophets, and all remaining Books of the Hebrew Bible.

**Instructor:** Rabbi Hillel Katzir has been teaching Judaism and the Hebrew Bible for twenty years, and has been the Spiritual Leader of Congregation Or Hadash in Fort Collins since 2015.

**Reading:** Any Bible

**Time:** 4 - 6 p.m.

**Dates:** Thursdays, Mar. 22, 29, Apr. 5, 12, 19, 26 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Eight Million Years of Hominid History, *Sahelanthropus to Homo floresiensis*
★★ #OSHR 1193 100

During the last decade, our understanding of deep human history has increased astonishingly. The first fossil hominids discovered (1850-1925) were “Old Man Neanderthal,” *Pithecanthropus* (“Java Man” or “Peking Man”), Piltdown Man (oops!) and the Tuang child. Today’s human family tree includes at least 19 species of hominids assigned to four genera. Four older Australopithecine taxa can also be counted, or not. In this class, we will meet our family members and explore some of the analytical tools used to study their anatomy, diet, and geologic age.

**Instructor:** William Cornell earned B.S. and M.S. degrees in geology at the University of Rhode Island and a Ph.D. from UCLA. He taught geology at the University of Texas at El Paso, with stints as department chair, assistant dean of the College of Science, as “pre-med” advisor, and taught in the Osher Program at UTEP for 15 years. He is a master naturalist in the Fort Collins Natural Areas Department.


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

**Dates:** Fridays, Feb. 2, 9, 16, 23, Mar. 2, 9 (6 weeks)

**Class Size:** 30 participants

**Cost:** $60

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

Colorado History from a Wildlife Perspective
★★ #OSHR 1882 100

Mines, railroads, logging, livestock, and conquests collectively dominate the traditional interpretive stories about how Colorado came to be. As significant and influential as these things were, they focus on a single line of thought in the story. Wildlife also influenced Colorado’s origins. Grasses provided food for livestock; trees provided wood for building. Through the years, some animals
were lost — bison, ferret, grizzly, wolf — and some animals were gained — earthworm, bass, pheasant, mountain goat, and moose. Each such animal by itself is an aside; all such stories together more fully portray Colorado’s past and more richly explain how we got from then and there to here and now. This class is about that story.

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, Feb. 2, 9, 16, 23, Mar. 2, 9, (6 weeks)
Class Size: 35 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

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 during 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 the 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.
Date: Fridays, Feb. 2, 9, 16, 23, Mar. 2, 9 (6 weeks)
Class Size: 16 participants
Cost: $90
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Six Great Events in the History of Life on Earth

From the origin of life on Earth 38 billion years ago to naked metazoans and the Cambrian Explosion to the colonization of land by plants and animals to the near extermination of Earth life in the end-Permian crisis to the rise of ruling reptiles and dinosaurs, and, finally, to the path to domination by the mammals, we will explore the biology and paleontology of these milestones in earth history. Class instruction will include when selected life groups arose and will explore their subsequent history, leading to the organisms we recognize today. Life’s evolution, endurance, and elaboration will be highlighted.

**Instructors:** William Cornell earned B.S. and M.S. degrees in geology at the University of Rhode Island and a Ph.D. from UCLA. He taught geology at the University of Texas at El Paso, with stints as department chair, assistant dean of the College of Science, as “pre-med” advisor, and taught in the Osher Program at UTEP for 15 years. He is a master naturalist in the Fort Collins Natural Areas Department.

Since earning his degrees from Western State College and Colorado State University, naturalist Kevin J. Cook 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, Mar. 23, 30, Apr. 6, 13, 20, 27 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

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

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**Medicine Through the Ages**

From humors to heart transplants, barbers to biotech, the history of medicine spans from ancient times to today. It is the story of men, methods, and inventions that strove to abate the terrible toll of disease. This course will take a look at Western medicine as well as the important influence of Eastern
approaches to disease and health. Our journey will use several dozen objects to illustrate the great achievements in medical science.

**Instructor:** 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.

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

**Dates:** Fridays, Mar. 23, 30, Apr. 6, 13, 20, 27 (6 weeks)

**Class Size:** 35 participants

**Cost:** $60

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

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**Mindfulness: What is it? And How Can it Help Me?**

You’ll start your weekend off right when you enroll in this relaxing course. Seems like everyone is talking about mindfulness these days! Recent clinical research on mindfulness practices has shown benefits that may offer an increased ability to transform stress, improve mental clarity, and help with concentration. This course is designed to explore mindfulness meditation and supportive yoga breath. Each week we will practice new techniques and develop tools to implement mindfulness into your daily life.

Each session will begin with an overview of the research, discuss the multiple physical and mental health benefits, offer background on mindfulness and yoga breath practice, and engage participants in “hands-on” practice of these techniques. Audience participation will be invited in a “learning circle” format. A “start where you are” philosophy is embraced and no previous experience is required. Practice sessions will range from 5-15 minutes, followed with time to share experiences and learn from each other.

**Instructor:** Debora Colbert, Ph.D., is the co-founder and co-director for CSU’s Center for Mindfulness. She also serves as Director of Professional Development at The Institute of Learning and Teaching (TILT) and has worked in higher education more than 20 years. She has been practicing mindfulness meditation for many years, has been a yoga practitioner for the past seven years, and has promoted diversity and inclusivity in sharing
Mindfulness: What is it? And How Can it Help Me? #OSHR 1347 100
(continued from previous page)

the powerful effects of mindfulness practices in higher education. She holds a Ph.D. in Organizational Performance and Change from CSU.

Time: 1 - 3 p.m.
Dates: Friday, Mar. 23, 30, Apr. 6, 13, 20, 27 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Nuts and Bolts of Self-Publishing
#OSHR 1304 100

This course offers a glimpse at the options available for those authors wishing to self-publish or those who wish to take publishing to the next step: independent publishing. This course guides you through the benefits and pitfalls of print and eBook publishing, printing options, selecting a printing company, and more. It shows you how to treat publishing as a business and do it in a manner that aims you toward success. This course is a must for those grappling with the decisions about how to break into the publishing world.

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 the 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 - 3 p.m.
Dates: Fridays, Mar. 23, 30, Apr. 6, 13, 20, 27 (6 weeks)
Class Size: 30 participants
Cost: $60
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Spring 2018 Open House: Curiosity Never Retires
★ #OSHR 1095 100

You won’t want to miss this annual event – Osher’s Spring 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:** Tuesday, January 16 – Please register by 5 p.m., January 9
**Class Size:** 250 participants
**Cost:** Free
**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO

Food for Life: Diabetes Prevention and Treatment
★ #OSHR 1334 100

Diabetes is a major public health problem of epidemic proportions. Research has demonstrated the value of a plant-based nutrition approach to reduce the risk of diabetes. Each class will offer a cooking demonstration, and provide samples of delicious, health-promoting dishes, along with a take-home packet of easy and affordable recipes. Class topics will include: Introduction to How Foods Fight Diabetes, The Power of Your Plate and Grocery Cart, Understanding Type 2 Diabetes, Designing a Diet for Maximum Weight Control, Using the Glycemic Index, Keeping a Healthy Heart, and Diabetes Care from Head to Toe.

**Instructor:** Sapna Von Reich is a certified Physicians Committee for Responsible Medicine (PCRM) ‘Food for Life’ instructor. She holds a certification in plant-based nutrition from Cornell University, NY. 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
**Dates:** Mondays, Feb. 5, 12, 19, 26, Mar. 5 (5 weeks)
**Class Size:** 25 participants
**Cost:** $100
**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Beginning Digital Photography

In this highly interactive course, you will learn more than the basics – even some tools seasoned photographers don’t know. You will learn about those dials and buttons on your camera; those mysterious menu items; f/stops; shutter speeds; composition; lenses; built-in light meter; the #1 solution to the #1 problem in photography; and much more.

Instructor: Eli Vega, a self-taught photographer, is an award-winning and highly published photographer with more than twenty years of experience. His work has been featured in magazines, travel guides, post cards, calendars, and other commercial publications. His photo art was influenced by his three years as a college art major. He has taught photography since 1993.

Time: 9 a.m. – 4 p.m. (Lunch break Noon to 12:30)
Dates: Saturday, Mar. 17 (1 day)
Class Size: 16 participants
Cost: $70
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Shrooms and Other Fungi in Our Lives

Long treated as lesser members of the plant kingdom, the fungi now rank as a kingdom of their own. This kingdom gives us everything from ringworm, to antibiotics, to yeasts. As the most familiar aspect of fungi, mushrooms provide both the doorway into the fungus kingdom and a road to travel once you pass through that door. To open that door for you, this class will use two classroom sessions as hands-on learning labs (mornings) and two half-day field sessions to find and identify wild mushrooms (afternoons).

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. – 4 p.m. (Lunch Break from Noon until 1:00 p.m.)
Dates: Friday, May 11 and Saturday, May 12 (2 days)
Class Size: 25 participants
Cost: $75
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Want to Bet? Join us for a Kentucky Derby Primer!  

Even without the benefit of mint juleps, you will learn about the history of thoroughbred racing and, specifically, the Kentucky Derby. Charting the process of handicapping thoroughbred horse races and the types of bets that handicappers make will all but transform you into a high roller. The session will conclude with race videos and a hands-on examination of the Daily Racing Form, giving you a jump on preparing for this year’s running of the Kentucky Derby.

**Instructors:** Brian Cobb and Joe Vasos, both Derby enthusiasts, are guaranteed to pique your interest in thoroughbred racing during this entertaining and fun-filled presentation.

**Time:** 2 - 4 p.m.

**Dates:** Thursday, May 3

**Class Size:** 35 participants

**Cost:** $20

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

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Behind the Creative Eye: Local Artists in Their Habitats  

Prominent local artists invite you to join them at their studios to 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 discussions. The schedule of artists includes:

- **03/23** Painting and Sculpture, Louise Cutler
- **03/30** Sculpture, Erick Johnson
- **04/06** Fiber Arts, Wendy Franzen
- **04/13** Painting and Public Art, Lisa Cameron Russell
- **04/20** Painting and Marketing, Amelia Caruso
- **04/27** Painting, and Pottery, and Trimble Court, Diane Findley

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

**Dates:** Fridays, Mar. 23, 30, Apr. 6, 13, 20, 27 (6 weeks)

**Class Size:** 15 participants; 12 minimum

**Cost:** $75

**Location:** Addresses provided after registration; prior to the course start date.
Osher Perk Series — Register for these single session (one-time) presentations to learn about cutting-edge research and special interest topics. Perk lectures carry a charge of $5 per lecture. Please note: Fees are nonrefundable.

Food Prep Ideas
#OSHR 3199 100 (Perk Series Lecture)

2018 is here. Why not make this year a start of a healthy you? Learn tips and tricks on how to plan ahead and prepare healthier, homemade meals. Enjoy a cooking demonstration and taste some delicious samples.

**Speaker:** Sapna Von Reich is a certified Physicians Committee for Responsible Medicine (PCRM) ‘Food for Life’ instructor. She holds a certification in plant-based nutrition from Cornell University, NY. 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:** Monday, Jan. 22

**Class Size:** 25 participants

**Cost:** $5

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

Water and Fire in Early Fort Collins History
#OSHR 3182 106 (Perk Series Lecture)

This lecture will discuss the evolution of water system development and early firefighting technology in Fort Collins. Additionally, we will take a look at the historical importance of water in Northern Colorado. Finally, the presentation will touch on advancements in firefighting technology.

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

**Speaker:** Dick Spiess is a retired Captain serving 28 years at Poudre Fire Authority in Fort Collins. Dick has been an instructor in Wildland Urban
Interface at the National Fire Academy and served for five years on a Type I National Incident Management Team.

**Time:** 3 - 4:30 p.m.

**Date:** Monday, Jan. 22

**Class Size:** 35 participants

**Cost:** $5

**Location:** First Presbyterian Church, 531 S. College Ave., Fort Collins, CO

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**Understanding Relationships Through a Family Systems Lens**

#OSHR 3030 100 (Perk Series Lecture)

The 1950s ignited a paradigm shift in therapy, from thinking in terms of “individuals” to “family systems.” Among the new thinkers, Murray Bowen built a framework for mapping family dynamics that is intuitive and congruent with other constructive developmental theories. It offers a compassionate way to understand any emotional system and track the transmission of anxiety and resources. This Perk will provide an overview of family systems theory in general and Bowen’s in particular. Participants will be given examples and resources for personal application.

**Speaker:** Carolyn Bartlett is a licensed clinical social worker in private practice. She enjoys helping people learn to “think systems” when trying to understand one’s self, one’s relationships, and the world.

**Time:** 4 - 6 p.m.

**Date:** Monday, Jan. 29

**Class Size:** 35 participants

**Cost:** $5

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Presidential Impeachment and the 25th Amendment
#OSHR 3191 100 (Perk Series Lecture)

The Framers of the Constitution provided for the removal of the president, vice president, and all civil officers of the United States if found to have engaged in “treason, bribery, or other high crimes and misdemeanors.” This process has only run its course a few times in our history. Modern-day circumstances led to the adoption of the 25th Amendment, providing procedures for replacing the president or vice president in the event of death, removal, resignation, or incapacitation. This lecture will discuss the origins of the impeachment clause, the 25th Amendment, and their uses in the U.S.

**Speaker:** Jim Couch earned a Ph.D. in psychology and was a faculty member and administrator at James Madison University for 29 years after which he entered law school and practiced law for 10 years. As a psychologist and attorney, he has had a long-time love affair with constitutional law.

**Time:** 4 - 6 p.m.

**Date:** Wednesday, Jan. 31

**Class Size:** 35 participants

**Cost:** $5

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

Conversations that Bridge Gaps (Age, Gender, Culture, and Belief)
#OSHR 3102 100 (Perk Series Lecture)

This interactive, two-hour lecture will help participants encourage and enrich conversations and, therefore, relationships. Participants will learn and practice listening and questioning skills that can break through barriers including: electronic device addictions, different cultures, histories, and world views. We will learn and practice: seeking to understand first, listening with fresh ears, making room for others to talk, and helping others express their thoughts and feelings. All of this will be done while having meaningful and interesting conversations with other participants.

**Speaker:** Bill Hunter has been a management trainer and facilitator for more than 40 years. For the last 17 years, he led Vistage CEO peer groups, helping CEOs learn from each other.

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Why Are Our Forests Dying?
#OSHR 3138 100 (Perk Series Lecture)

This lecture will address bark beetle outbreaks in forests of the West. Life history and habits of bark beetles, factors that favor outbreaks, and reasons for the massive outbreaks of recent years will be presented.

**Speaker:** William M. Ciesla is a forest entomologist and forest health specialist. He has held assignments with the USDA Forest Service and the Food and Agriculture Organization of the United Nations, in addition to working as an international consultant. He is author/co-author of more than 170 publications, including the book *Forest Entomology: A Global Perspective*.

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

**Date:** Monday, Feb. 12

**Class Size:** 35 participants

**Cost:** $5

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
The Wizard of OZ: An Adult Political Satire

#OSHR 3143 100 (Perk Series Lecture)

The Wizard of Oz by Frank Baum originally was no child’s tale. Written during a time period of rapid economic, societal, and political turmoil, it satirizes the impact of monopolistic industrialization on traditional American values. Find out the real meaning behind the tornado, Dorothy, Scarecrow, Tinman, Cowardly Lion, Witches, Wizards and all of the beloved and well-known characters/features found in the novel.

**Speaker:** Christine Hays is a retired high school history teacher and administrator. Her 38-year career spans New Orleans, Berlin, two Fort Collins high schools, and educational support to Japan and Russia. She earned a B.A. and M.A. in history and a social studies teaching certificate.

**Time:** 4 - 6 p.m.

**Date:** Wednesday, Feb. 14

**Class Size:** 35 participants

**Cost:** $5

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

The Three S's of Climate Change: Simple. Serious. Solvable!

#OSHR 3064 106 (Perk Series Lecture)

Our climate is changing because CO2 absorbs solar heat before it can get back into space. The consequences could be catastrophic, but the solutions are clear, feasible, and affordable. Indeed, inaction would be crippling expensive. Come hear about how it works, why it’s bad, and what we’re going to do about it!

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

**Speaker:** Scott Denning Monfort Professor of Atmospheric Science at CSU. He has also authored 100 peer-reviewed papers and is a former editor of the Journal of Climate.

**Time:** 3 - 4:30 p.m.

**Date:** Monday, Feb. 19

**Class Size:** 35 participants

**Cost:** $5

**Location:** First Presbyterian Church, 531 S. College Ave., Fort Collins, CO
Add Value to Your Life with Continuous Improvement Tips
#OSHR 3147 100 (Perk Series Lecture)

Want to reduce your personal stress and increase your “uptime quality”? Tired of constantly looking for “misplaced” items or not being able to find specific items in unfamiliar stores? This lecture will examine how to use continuous improvement (CI) techniques in your personal life.

Speaker: Bob Hansen is a PE, certified scrum master, business owner and author. He worked for 29 years at Eastman Kodak and has consulted on adding value for individuals and organizations. He has presented papers at more than 10 conferences and has taught classes at AIMS CC.

Time: 4 – 6 p.m.
Date: Wednesday, Feb. 21
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Exploring the West – Mapping the Frontiers
#OSHR 3153 100 (Perk Series Lecture)

Just 300 years ago, most people still thought California was an island or a peninsula separated by the Mediterranean Sea of California. This misconception was not corrected until 1747! The continental United States was a huge unknown. This lecture considers the series of explorations of Spanish, French, British, and American explorers who filled in the empty spaces. Content will include: maps, pictures, photos, paintings, and water colors of the Colorado Front Range.

Speaker: Robert Meroney is an emeritus professor and senior research scientist/scholar in civil and environmental engineering at Colorado State University. He was formerly director of the Colorado State Wind Engineering Program and Wind Tunnel Laboratory. In retirement, Dr. Meroney is a master naturalist with the Fort Collins Natural Areas Program.

Time: 3:30 – 5 p.m.
Date: Monday, Feb. 26
Class Size: 35 Participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO
Book Discussion: *The Invention of Nature* by Andrea Wulf

*The Invention of Nature* reveals the extraordinary life of visionary German naturalist Alexander von Humbolt (1769-1859). Humbolt was an intrepid explorer and the most famous scientist of his age. Perceiving nature as an interconnected global force, Humbolt discovered similarities between climate zones across the world and predicted human-induced climate change. This book is part biography, part travelogue, part history-of-ideas, and a riveting read – and the winner of numerous awards. Attendees are encouraged to read the book in order to actively participate in the discussion.

**Speaker:** Patty Richardson is a retired high school teacher of gifted and talented students and a facilitator for The Seven Habits of Highly Effective People.

**Time:** 3:30 – 4:45 p.m.

**Date:** Wednesday, Feb. 28

**Class Size:** 15 participants

**Cost:** $5

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

Convicting the Innocent: Exonerations

Almost 2,000 persons (as of February 2017) have been exonerated after having been convicted of crimes they did not commit. What are the reasons for these innocent persons being convicted? The following topics will be discussed in this lecture:

- The causes of false convictions
- Results from research that call into question actions by investigating authorities
- The judicial system
- New rules for investigators
- New prosecutorial programs that seek to reduce the number of false convictions
- Compensation for exonerees
The causes of these false convictions will be discussed along with results from research that call into question actions by investigating authorities as well as the judicial system. New rules for investigators as well as new prosecutorial programs that seek to reduce the number of false convictions will be discussed. Compensation for exonerees will be considered.

**Speaker:** Jim Couch earned a Ph.D. in psychology and was a faculty member and administrator at James Madison University for 29 years after which he entered law school and practiced law for 10 years. As a psychologist and attorney, he has had a long-time love affair with constitutional law.

**Time:** 4 - 6 p.m.

**Date:** Wednesday, Mar. 7

**Class Size:** 35 participants

**Cost:** $5

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

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**The Original Star Trek and Polarized America: Parallel Universes**

#OSHR 3172 100 (Perk Series Lecture)

When *Star Trek* premiered fifty-one years ago, it was no mere sci-fi show. The Enterprise crew, the Klingons, the Romulans, and many others represented late 1960’s players. Entire episodes were subversively designed to impact public opinion concerning fiercely divisive events. This presentation will provide both an overview of events from 1966-1969 and their *Star Trek* connections.

**Speaker:** Christine Hays has been an avid trekkie for 51 years, as well as a trained historian and public school teacher for more than 30 years. She’s presented historical connections within the Star Trek universe at Star Con and two Comic-Cons (science fiction conventions).

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

**Date:** Wednesday, Mar. 14

**Class Size:** 35 participants

**Cost:** $5

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Reflections on the Irish, Ireland, and Irish Americans

#OSHR 3177 100 (Perk Series Lecture)

Despite its small size and population, Ireland has had a considerable impact upon Britain and America. What makes Ireland so unique? How were the Irish immigrants treated in America and Britain? What has been the cause of strife in Northern Ireland? These questions and some others will be addressed in this class. Students’ observations on these questions will be welcome too.

**Speaker:** Henry Weisser was a professor of history at Colorado State University for 39 years and is now a professor emeritus. He earned a Ph.D. from Columbia University. He also taught Irish history for many years at CSU, taught for one semester at University College, Dublin, and has visited Ireland many times. He also grew up in an Irish-American neighborhood in New York City.

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

**Date:** Friday, Mar. 16

**Class Size:** 35 participants

**Cost:** $5

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

Living Well Until the End: Advance Directives

#OSHR 3188 100 (Perk Series Lecture)

Advance directives for health care include powers of attorney, living wills, DNR orders, and more. This lecture will present ideas on addressing your end-of-life care and making sure that your wishes are honored.

**Speaker:** Amy Rosenberg earned her Bachelor of Journalism from the University of Texas at Austin J.D., University of Texas School of Law. She was admitted to the Texas Bar in 1982 and the Colorado Bar in 1996. She is a founding partner of Peterson, Rosenberg PLLC (established 2007) and has authored numerous articles on estate planning.

**Time:** 2 - 4 p.m.

**Date:** Friday, Mar. 16

**Class Size:** 35 participants

**Cost:** $5

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Ten Ways that Human Nature Makes Us Bad Investors: Lessons from Behavioral Finance

Never in history has it been so easy to be a bad investor. This presentation will outline some of the most common investing errors, discuss the principles of behavioral finance that explain why we make them, and suggest strategies for better future investment decision-making.

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

**Speaker:** Vickie Bajtelsmit has been a finance professor at CSU since 1991 and currently serves as director of the Master of Finance program. She earned her Ph.D. from Wharton School of Business and J.D. from Rutgers University School of Law. In addition to her textbook *Personal Finance* (Wiley, 2017), she has published widely on topics related to retirement, investing, and insurance.

**Time:** 4 – 6 p.m.

**Date:** Monday, Mar. 19

**Class Size:** 50 participants

**Cost:** $5

**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!
The Allied Invasion of Sicily in WW II (Part 1)
#OSHR 3163 100 (Perk Series Lecture)

The invasion of Sicily was a sequel to the final defeat of Axis forces in Africa. Code named Operation Husky, it started out with the largest, in its time, combined amphibious and airborne landing in history that evolved into a six-week dramatic land campaign to drive the Axis air, land and naval forces from the island and open the Mediterranean Sea Lanes to unopposed Allied shipping. Strategic control of Sicily provided a solid springboard to the upcoming Allied invasion of mainland Italy.

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: 10 a.m. - Noon
Date: Tuesday, Mar. 20
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Passage of the 14th Amendment: Liberty and Justice for All
#OSHR 3136 100 (Perk Series Lecture)

Senator Justin Smith Morrill (author of the Morrill College Land Grant Act) was also an instrumental participant and eyewitness to the passage of the incredibly important 14th Amendment to the Constitution which effectively brought the most ‘equality, liberty and justice for all’ into our Constitutional order. Still, today, the Supreme Court uses this law to ascertain the liberties and rights of all individuals.

Speaker: Guy J. Kelley currently teaches at Front Range Community College (Larimer Campus). Guy is a retired associate general counsel for Hewlett-Packard Company. He is 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. Guy is on the board of the Friends of the Library, Morgan Library, and Colorado State University (since 1998). He is also a member of the Fort Collins Civil War Roundtable.

**Time:** 4 - 6 p.m.

**Date:** Tuesday, Mar. 20

**Class Size:** 35 participants

**Cost:** $5

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

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**Modern Surrealism: The Art of Vladimir Kush**

#OSHR 3168 100 (Perk Series Lecture)

Surrealism neither began nor ended with Salvador Dali. It is alive and well with many modern contributors. Vladimir Kush (1965- present) is a Russian artist who now lives in Lahaina, Maui, and the state of Hawaii. In 1987 he did some portraits for the US Embassy staff, but had to curtail his work after the KGB became suspicious of his frequent visits to the embassy building in Moscow. He moved to the U.S. around 1990. Some call his work surrealism, but he calls it “metaphysical realism”. Generally surrealist in style, he paints normal objects or people with unusual connections. His art is bright, colorful, thought-provoking, and best of all, fun.

**Speaker:** Robert Meroney is an emeritus professor and senior research scientist/scholar in civil and environmental engineering at Colorado State University. He was formerly director of the Colorado State Wind Engineering Program and Wind Tunnel Laboratory. In retirement, Dr. Meroney is a master naturalist with the Fort Collins Natural Areas Program.

**Time:** 3:30 - 5 p.m.

**Date:** Monday, Mar. 26

**Class Size:** 35 participants

**Cost:** $5

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Introduction to Mobile Devices
#OSHR 3198 100 (Perk Series Lecture)

Join this presentation to explore the many functions and multiple uses of some popular mobile devices including the Apple iPhone, iPads, and Android devices. We will look at the basic setup for Android and iOS devices and connecting to Wi-Fi and email accounts. We will also explore a few basic applications such as note taking, cameras, and how to share pictures via email. The session will conclude with Q&As.

**Speaker:** John Franzel is an IT professional with more than 20 years of experience in the information technology world.

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

**Date:** Tuesday, Mar. 27

**Class Size:** 35 participants

**Cost:** $5

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

Extreme Weather and Vector-Borne Diseases – What in the World is Going On?
#OSHR 3183 100 (Perk Series Lecture)

New exotic diseases with strange names such as Zika, chikungunya, dengue, etc., have invaded the Americas, as seen on nightly news. Tropical mosquitoes are moving northward into temperate areas of North America and Europe. But are these disease events caused by changing weather and climate? This lecture will explore the growing evidence that links these phenomena, as well as the reasons it is difficult to definitely link the two together.

**Speaker:** Chester G. Moore, B.S., M.S., Ph.D. from University of California, Davis (major in entomology and parasitology); 30 years research on vector-borne diseases (US Army, Centers for Disease Control & Prevention); academics (University of Puerto Rico, Colorado State University); 90+ refereed papers and book chapters; served on City of Fort Collins West Nile Technical Advisory Committee.
“Manuscripts Don’t Burn” – Mikhail Bulgakov’s The Master and Margarita

#OSHR 3154 100 (Perk Series Lecture)

*The Master and Margarita* is an extraordinary glimpse into the fledgling Soviet Union by its most beloved novelist. It also gives equal time to Satan, a large black cat, an extraordinary love story, Jesus Christ, and Pontius Pilate, and… well… so much more. This lecture will explore Bulgakov’s extraordinary life, his relations with Joseph Stalin, and his masterwork, which is critically acclaimed as one of the world’s greatest novels.

**Speaker:** Dr. Dan Ward is an avid fan and collector of Mikhail Bulgakov’s works (at least those available in English translations), and has written a screenplay on *The Master and Margarita*.

**Time:** 4 - 6 p.m.

**Date:** Wednesday, Apr. 4

**Class Size:** 35 participants

**Cost:** $5

**Location:** Drake Hall, 2545 Research Blvd., Fort Collins, CO
Grant and Lee: The Two Giants of the Civil War Compared and Contrasted
#OSHR 3195 100 (Perk Series Lecture)

Robert E. Lee and Ulysses S. Grant became the standard bearers for their respective sides during the Civil War. Each was an accomplished leader and a skillful general. Nevertheless, there was a contrast between their military styles, their lifestyles, and their enduring reputations.

Speaker: Henry Weisser was a professor of history at Colorado State University for 39 years. He earned a Ph.D. from Columbia University.

Time: 4 - 6 p.m.
Date: Monday, Apr. 9
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Standing, Falling, and Reunification: One Woman’s Experience with the Berlin Wall
#OSHR 3184 100 (Perk Series Lecture)

Teaching in a Berlin public school from 1988 – 1991 presented many unique challenges. Coping within a hostile encampment, the unexpected opening and dismantling of the wall, plus the rapid reunification of the two German nations involved one American teacher in unexpected ways. Please join her as she discusses the historic background as well as her personal observations during this tumultuous time.

Speaker: Christine Hays taught History for more than 30 years in New Orleans, LA, Berlin, Germany, and within PSD (Fort Collins and Poudre high schools). Hays also worked as a State Department liaison to Japan and Russia. She holds a B.A. and a M.A. in history.
Time: 4 - 6 p.m.
Date: Tuesday, Apr. 10
Class Size: 35 participants
Cost: $5
Location: Drake Hall, 2545 Research Blvd., Fort Collins, CO

Ancient Rome Through Contemporary Eyes
#OSHR 3187 106 (Perk Series Lecture)

This session focuses on an exhibition at the Gregory Allicar Museum of Art at CSU, Pompeii Archive, which features recent work by American photographer, William Wylie, exploring the archeological site of Pompeii in highly evocative images. This exhibition features eighteen large-scale photographs focused on the ongoing process of restoration and discovery of remains and materials from the eruption of Mount Vesuvius in 79 C.E.

Speaker: Lynn Boland is director and chief curator of the Gregory Allicar Museum of Art. With a doctoral in art history from the University of Texas at Austin, specializing in 20th-century art, he has received awards from the College Art Association, the Art Libraries Society, and the American Alliance of Museums.

Time: 2 – 3:30 p.m.
Date: Wednesday, Apr. 11
Class Size: 35 participants
Cost: $5
Location: Gregory Allicar Museum of Art, 1400 Remington Street, Fort Collins, CO
Dive, Dive, Dive – Fantastic Voyages in Submarines
#OSHR 3189 106 (Perk Series Lecture)

Submarines are an integral part of modern military and geopolitical strategy in both peace and war. From the time World War II diesel-electric submarines began to make a major strategic impact on shipping and warships in both oceans, to modern nuclear vessels undertaking everything from covert spy missions to ballistic missile patrols as part of the Nuclear Triad, submarines continue to go where others fear to tread. The submarines’ versatility, stealth, and sheer deadliness make them the stuff of romance, military novels, documentaries, Osher Perks, and war stories for most anyone.

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

Speaker: Dan Ward served in submarines in the mid-sixties, and has continued to collect submarine legends, stories, and outright gems, all of which he loves to share. Dr. Ward has a Bachelor of Engineering Science degree and a Ph.D. in Nuclear Physics, both from the University of Texas at Austin.

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

The Allied Invasion of Mainland Italy in WWII (Part 2)
#OSHR 3001 100 (Perk Series Lecture)

The Italian Campaign of World War II followed the successful conquest of Sicily. Allied commanders expected a relatively easy campaign. Winter and the rugged terrain of the peninsula slowed the invading armies. In the West, no other campaign cost more than the one on Italy, in terms of lives lost and wounds suffered by forces of both sides. What Churchill described as “the soft underbelly of the Axis” turned out to be called “one tough gut.”

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:** 4 - 6 p.m.

**Date:** Monday, Apr. 23

**Class Size:** 35 participants

**Cost:** $5

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

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**View from the Booth**

#OSHR 3005 106 (Perk Series Lecture)

More than 35 years of officiating college football has provided a unique perspective of college football for David Ames. He has worked for 26 years as an on-field official and, after retiring from the field, was hired as a replay official. He has officiated more than 400 games and has experienced technology ranging from 8mm film to super-slow digital formats. Learn about David’s experiences on the field, as well as his role as an instant replay official for the BIG 12 conference.

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

**Speaker:** Dr. David Ames served as a faculty member at Kansas State and Colorado State in Animal Sciences. He was the head of Animal Sciences at CSU for 17 years. His research interests involved the impacts of weather on nutrient requirements of cattle. His weekend departures from academia offered fun but pressure-filled, high-profile experiences in a football stadium.

**Time:** 3 – 4:30 p.m.

**Date:** Monday, May 21

**Class Size:** 35 participants

**Cost:** $5

**Location:** First Presbyterian Church, 531 S. College Ave., Fort Collins, CO
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