

OSHER LIFELONG LEARNING INSTITUTE

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

Spring 2019

www.osher.colostate.edu



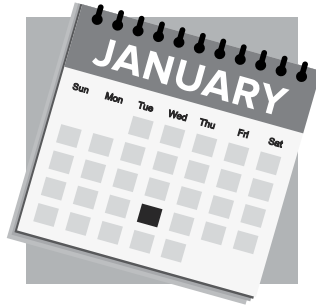
COLORADO STATE UNIVERSITY
ONLINE

Division of Continuing Education

MARK YOUR CALENDARS

Spring 2019 Open House Curiosity Never Retires

Wednesday, January 23
1 – 3 p.m.
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 for the Open House for free by enrolling in #OSHR 1095 100.

Special Announcement

Support your Osher Lifelong Learning Institute and help us reach our annual fundraising goal. With your support, we can enhance, grow, and continue to create an engaging and thoughtful learning environment. Please 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, no prerequisites, and no attendance requirements.



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.

Want to learn more?

Call (970) 491-7753 or visit our website at www.osher.colostate.edu.



OSHER LIFELONG
LEARNING INSTITUTE
COLORADO STATE UNIVERSITY

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.

Drop and Refund Policy

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

Tuition Assistance

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

Gift Certificates Available

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

Severe Weather Policy

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

Support Your Osher Lifelong Learning Institute

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

University Holidays

The Osher office will be closed for the following University holidays:
Dec. 24 – 26, Dec. 31 – Jan. 1, Jan. 21, May 27

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Plate Tectonics and Natural Disasters

★ #OSHR 8000 001

Fires, floods, earthquakes, tsunamis, volcanic eruptions: All are driven by plate tectonics, trigger disasters, and threaten humanity. We will visit Pompeii (AD 79) “No Place to Hide;” Lisbon (1755) God’s Wrath; Iceland (1783) 23,000 Deaths in the UK; California (1861-62) Lake Central Valley; Japan (1923) “If it Were Not Hell, Where Would Hell Be?;” Mississippi (1927) “Mean Old Levee Taught Me To Weep And Moan;” China (1976) Haicheng & Tangshan; and the Indian Ocean (2004) M 9.1+ Tsunami; and explore Plate Tectonics’ role in each event.

Instructor: **William Cornell** earned B.S. and M.S. degrees in Geology at the University of Rhode Island and 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 received a number of teaching and service awards from UTEP. In 2007, he received the Silver Beaver Award from the Boy Scouts of America. He is a master naturalist in the Fort Collins Natural Areas Department.

Time: 10 a.m. – Noon

Dates: Mondays, Jan. 28, Feb. 4, 11, 18, 25, Mar. 4 (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!**

U.S. in the 1970's

★ #OSHR 6000 001

This course will examine the decade of the 1970s in the U. S. and will suggest answers to some of the key questions about that period. Why did the Vietnam War end with U. S. withdrawal? Why did the fiercely anti-Communist President Nixon recognize Communist China? Why was President Nixon impeached? How did the global energy crisis affect the U. S.? Given the growing women's movement, why wasn't the Equal Rights Amendment ratified? Why were 1960s reform politics replaced in this decade with a right-wing populism that contributed to Ronald Reagan's election as President in 1980?

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

Time: 1 – 3 p.m.

Dates: Mondays, Jan. 28, Feb. 4, 11, 18, 25, Mar. 4 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Making Connections: Subjects and Themes of Art History

★ #OSHR 3035 001

Students in this course will explore artworks thematically, investigating subject matter that transcends specific eras and/or geographic locations. Using art and architectural examples from a wide range of time periods and numerous regions of the world, we will discover how cultural context differentiates artworks that are otherwise similar in content, and how art historical context and content can reveal a connectedness of peoples around the globe. Themes will include: Nature and the Land, Portraiture and Self-Portraiture, Gender and Family Stories, Social Commentaries, Sacred Spaces, and The Process of Art Making.

Instructor: Margeret Sharkoffmadrid is a part-time history faculty member at Front Range Community College and a 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.

Time: 1 – 3 p.m.

Dates: Mondays, Jan. 28, Feb. 4, 11, 18, 25, Mar. 4 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Inside the USSR and Russia – Ch. 2

● #OSHR 6020 001

Chapter 1 was presented in 2017-18. Chapter 2 will explore new topics, including: "Interaction with the Soviet Military," "Was God Dead in the USSR?," "How Putin Is Making Russia Great Again," "Vietnam through a Periscope," "Watching the Berlin Wall Fall," and closer to home, "Meet Our Neighbors the Navajo."

Instructor: Captain Richard (Dick) Life is a graduate of the U.S. Naval Academy, Georgetown University (M.A. 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. 25, April. 1, 8, 15, 22, 29 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

What's That You Say, Doc?

● #OSHR 1031 100

If your doctor said you were suffering from Ankylosing Spondylitis, would you weep and wail, or just wonder what was really wrong? If you think medical personnel seem to speak a different language, that is because they do (mostly Greek and Latin). The aim of this course is to help you understand “medispeak” by introducing the basics of medical terminology, anatomy, and physiology. We will also cover fundamental diagnostic and surgical procedures. Let's tame those mysterious and frightening medical words together!

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: Mondays, Mar. 25, April. 1, 8, 15, 22, 29 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Creating Civilization: Introduction to Humanities of the Middle East

● #OSHR 5015 001

The ancient Middle East was the inventor of civilization itself, and the great Islamic empires have added to the list of its cultural firsts and accomplishments. This course will not focus on the detailed history or politics, but will instead introduce the humanities—the philosophy, religion, art, and music—of a region that too often is only considered in terms of conflict. It will introduce the cultural and technological firsts of the Sumerian, Babylonian, Assyrian, and Persian empires, as well as the achievements of the Umayyad, Abbasid, Moor, Seljuk Turk, and Ottoman Turk empires up to WWII.

Instructor: **Sally Purath** earned a B.A. in Social Sciences and a M. Ed. at Colorado State University. She taught history, world humanities, and language arts for 26 years for Poudre School District, including the International

Baccalaureate Program Theory of Knowledge for nine years, and has led National Endowment for the Humanities institutes and other teacher workshops.

Time: 1 – 3 p.m.

Dates: Mondays, Mar. 25, April. 1, 8, 15, 22, 29 (6 weeks)

Class Size: 40 participants

Cost: \$60

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

Big History

● #OSHR 8030 001

This course will introduce us to the idea of Big History, which is “simply” an overview of the universe from the beginning, 13.6 billion years ago, until now. The readings combine insights about earth and Homo sapiens from astronomy, geology, physics, archeology, and history. Since the books we will be reading are intended for a general audience, no particular background in any of these sciences is necessary.

Instructor: **Stephen Reid** taught in the CSU English department for 42 years. This course reflects his continuing interest in science and the history of science, which has persisted since his days as an undergraduate physics major.

Time: 1 – 3 p.m.

Dates: Mondays, Mar. 25, April. 1, 8, 15, 22, 29 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

OSHER MONDAY *continued*

Physics & Life: The Science of Living Things

● #OSHR 8035 001

A mouse can survive a fall from any height. Hippos aren't fat, and they can't swim. There are salamanders one foot long that don't have lungs or gills. There are snakes that can see in complete darkness, and fish that can sense your heartbeat. And once you understand some basic physics, none of this is surprising. In this class, we'll talk about the laws of nature that explain how creatures live and breathe, and the tools they use to sense their world. We'll assume no background in physics or biology, just a sense of curiosity and a desire to learn more!

Instructor: **Brian Jones** is the Director of the Little Shop of Physics program and a popular instructor at Colorado State University. These efforts work well together: Brian actively explores the effectiveness of methods of informal science education and experiments with how to extend these lessons to the college classroom. In 2011, he was awarded the Millikan Medal by the American Association of Physics Teachers for creativity and excellence in physics education. He is also co-author on a leading textbook for the College Physics course, and has spent a great deal of time thinking about application of physics to other fields, most notably the life sciences.

Time: 4 – 6 p.m.

Dates: Mondays, Mar. 25, April. 1, 8, 15, 22, 29 (6 weeks)

Class Size: 40 participants

Cost: \$60

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

OSHER TUESDAY

The Way of the Dream

★ #OSHR 9025 001

When we begin to take our dreams seriously, we learn that they will guide us in a journey of self-discovery. The process of individuation, Carl Jung's word for becoming whole where people awake to all their qualities and gifts, is essentially a dialogue with their inner figures. If we allow them, these guides, companions, tricksters, and adversaries lead us to make conscious what was hidden, come to terms with shadowy tendencies, develop what has lain dormant, and find joy in who we are. This class teaches tools enabling life-long enrichment by following the Way of the Dream.

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

Time: 10 a.m. – Noon

Dates: Tuesdays, 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!**

Correspondences: Using Dreams and Letters in Writing

★ #OSHR 4010 001

Dreams fuel our lives and writing in multiple ways. How do their evocative images and messages “correspond” to our lives? And letters—to others, to the world (recall Emily Dickinson’s, “This is my letter to the world”), and “to the editor” —help us embody what matters. We’ll look at how dreams enter, energize, and deepen writing, and how letters (and letters that become memoir essays and flash fiction) connect us to others and to our past, present, and future. Each week, we’ll write during class and draw ideas from effective pieces of writing. Each week’s writing prompts can lead into either prose or poetry. New writers welcome.

Instructor: Veronica Patterson’s poetry collections include *How to Make a Terrarium* (Cleveland State University, 1987); *Swan, What Shores?* (NYU Press Poetry Prize, 2000), *Thresh & Hold* (Gell Poetry Prize, 2009), and *it had rained* (CW Books, 2013), and two chapbooks— *this is the Strange Part* (Pudding House, 2002) and *Maneuvers: Battle of the Little Bighorn Poems* (Finishing Line, 2013). She is a writer, freelance editor, and teacher.

Time: 1 – 3 p.m.

Dates: Tuesdays, Jan. 29, Feb. 5, 12, 19, 26, Mar. 5, 12 (7 weeks)

Class Size: 35 participants

Cost: \$70

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

Religions of the East: Understanding Hinduism, Buddhism, Daoism, and Shinto

★ #OSHR 5010 001

The religions of India, China, and Japan evolved from ancient eras quite differently than the Abrahamic religions of Western Culture, which are Judaism, Christianity, and Islam. We will compare Asian religions through the lens of history and philosophy to examine what religion was like before, when these religions were born, and how they developed over time. We will also discuss their common and different beliefs and practices. Join us as we explore the dynamic and diverse panorama of Asian religious traditions.

Instructor: Sally Purath earned a B.A. in social sciences, a 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 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: Tuesdays, Jan. 29, Feb. 5, 12, 19, 26, Mar. 5 (6 weeks)

Class Size: 40 participants

Cost: \$60

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

How Nature Sculpted Humanity

★ #OSHR 8005 001

As a carbon-based lifeform on the third planet from the sun, people exist as a part of Life, not separate from it. Yet, various historical accounts relate how human cultures have tried to exempt themselves from Nature’s influence. Predators, locusts, diseases, and famines were just a few factors that motivated such efforts. Balancing Nature’s harsher side are the many benefits conferred upon humanity, ranging from firewood to medicines. By detailing various interactions between Nature and people, from whales and mosquitoes to trees and charcoal, this class will explore an aspect of history either entirely absent or scarcely mentioned in textbooks.

Instructor: Kevin Cook moved to Colorado in 1974, where he earned college degrees in biology and wildlife biology. Since 1981, he has worked as a naturalist who travels Colorado to engage its wildlife so that he might share his passion for life through a weekly newspaper column, monthly library lectures, and various classes.

Time: 4 – 6 p.m.

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

Class Size: 40 participants

Cost: \$60

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

American Journal

★ #OSHR 4015 001

In this course, we will read and discuss *American Journal: Fifty Poems for Our Time* and write our own poems in response to the themes, styles, and issues we encounter. We'll travel across what Robert Hayden called "a land of contrasts and contradictions, a place still new, still reckoning with the implications of its history," reading poems from the likes of Natalie Diaz, Ross Gay, Solmaz Sharif, Danez Smith, and Brian Turner, poems that Tracy K. Smith hopes "might go some way toward making us, whoever and wherever we are, a little less alien to one another." New writers welcome.

Instructor: Chloe 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 End of the World Again*.

Time: 1 – 3 p.m.

Dates: Tuesdays, Jan. 29, Feb. 5, 12, 19, Mar. 5, 12 (7 weeks)

Class Size: 15 participants

Cost: \$70

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

Assaulting the Media

● #OSHR 4000 001

They can be inaccurate, biased, and downright quirky. Despite their faults, though, the mainstream media in the United States fulfills a crucial role in our democracy. Attacking the media is an obvious effort to keep us uninformed and unquestioning. We'll examine bias; the use of anonymous sources; the difference between opinion pieces and news articles; the dismal decline of local media; libel law; and how the media (and Trump) could improve. The class will be as fair and balanced as the instructor's own filters make possible.

Instructor: Sara Hoffman has been a writer since she learned to write. This fall, she's publishing her first book, *Finding Baby Ruth*, a historical fiction novel based on the true story of her grandmother. She's been a member of a local writers' critique group for nearly 10 years. She's taught journalism and writing classes for more than 30 years.

Time: 10 a.m. – Noon

Dates: Tuesdays, Mar. 26, April. 2, 9, 16, 23, 30 (6 weeks)

Class Size: 30 participants

Cost: \$60

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

The Great Depression and Shaping of Modern America

● #OSHR 6015 001

The Great Depression was the most serious economic crisis in American history. Americans coped with it in traditional ways, but in the process they developed new expectations in regards to what government should be and what they should do. By the end of the 1930s, the federal government had developed a new set of relationships with states and localities, business, agriculture, finance, and labor, blurring the lines between private and public enterprise. It had also created the basic safety net for citizens that remains in place to this day. In short, the Great Depression was the most consequential event in the history of the United States in the twentieth century.

Instructor: David Danbom taught American history at North Dakota State University for 36 years. He has written extensively on the impact of the Great Depression on local communities, and on agriculture and rural life.

Time: 1 – 3 p.m.

Dates: Tuesdays, Mar. 26, April. 2, 9, 16, 23, 30 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Wildlife as a Destination

● #OSHR 8015 001

People travel for reasons as diverse as fulfilling business needs, attending concerts, or cheering favorite sports teams. Scenery entices people to travel as well. Those who hunt and fish eagerly travel to broaden the scope of their interests, and birdwatching has enormously expanded the idea of wildlife as a destination for travel. Wildlife watching has become a huge and legitimate interest for recreation, education, and commerce. This class will present information about watchable wildlife at various geographic levels including local, state, national, and international with specific details about what to look for, when to look for it, and where to find it.

Instructor: Kevin Cook moved to Colorado in 1974 where he earned college degrees in biology and wildlife biology. Since 1981, he has worked as a naturalist who travels Colorado to engage its wildlife that he might share his passion for life through a weekly newspaper column, monthly library lectures, and various classes.

Time: 4 – 6 p.m.

Dates: Tuesdays, Mar. 26, Apr. 2, 9, 16, 23, 30 (6 weeks)

Class Size: 40 participants

Cost: \$60

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

Beets, Beavers, and Bandits: Early History of Larimer County

● #OSHR 8010 001

Discover the dynamic history of our very own Larimer County as we explore the history of its first humans, popular trails, early industries, how its towns got started, water resources, and some of the county pioneers. Our local story is one of determination, fascination, and exploration.

Instructor: Kenneth Jessen has lived in Loveland for 50 years and is author of 20 books on Colorado, as well as more than 1,800 illustrated stories. He acts as a tour guide and lecturer, and has made a number of television appearances including CBS Sunday Morning with Charles Osgood. He is best known for his published information on Estes Park, Rocky Mountain National Park, railroad

history, and the ghost towns of Colorado spread out over its 64 counties. Jessen holds both a B.S.E.E. and M.B.A. and has done post-graduate work on communication technology through CU.

Time: 10 a.m. – Noon

Dates: Tuesdays, April. 2, 9, 16, 23, 30, May 7 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Great Decisions: Shaping U.S. foreign policy – Putting the pieces together

● #OSHR 5005 001

This course offers the learning experience of travel without the need for 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 a range of topics including: the State of the State Department; The Rise of Populism in Europe; India and its Neighbors; and Cyber Conflict.

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

Time: 1 – 3 p.m.

Dates: Tuesdays, April 2, 9, 16, 23, (4 weeks)

Class Size: 18 participants

Cost: \$50

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

Appreciating Opera

● #OSHR 7000 001

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

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

Time: 4 – 6 p.m.

Dates: Tuesdays, April. 2, 9, 16, 23, 30 (5 weeks)

Class Size: 35 participants

Cost: \$50

Location: 804 E. Elizabeth, Fort Collins, CO

To enroll in Osher courses, members can:

- Enroll online (most efficient)
- Email course requests to Lisa.Smith@colostate.edu
- Mail enrollment form into the Osher office
- Drop off enrollment forms at the Osher office

All course requests will be processed in the order they are received.

Composition for Visual Artists, Structural Concepts, and Exercises

★ #OSHR 2045 001

Few creative achievements rival the power of a great work of visual art to inspire, to transcend everyday modes of awareness, or to move the viewer to a greater understanding of the human experience. A great work of art may present many layers of mystery and symbolism combined within its cultural and historical references. It may connect us with timeless aspects of the universal themes of mankind. Every artist stares at a blank canvas, a sheet of paper, or a computer screen and addresses endless possibilities. What makes one artwork connect with the viewer while other similar works fail to do so? Artists, as well as photographers, filmmakers, and designers, can benefit from a stronger understanding of visual composition. Through a series of brief demonstrations and hands-on exercises, participants will explore a series of compositional concepts and apply them to their personal artistic preferences and subjects.

Instructor: Joe Osmann is a practicing artist who has framed his own artwork since his college days. These skills led to a commercial framing business that he operated for 15 years. With 25 years as a full-time college professor, he combines effective teaching skills with practical experience.

Time: 9 a.m. – Noon.

Dates: Wednesdays, 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

Great Geologic Wonders of the Earth

★ #OSHR 8020 001

Some spectacular geologic features, such as the Grand Canyon (AZ), are probably already known to you. You may even have some idea of how they formed. Others, such as the Eye of the Sahara (Mauritania), Great Blue Hole (Belize), and Chocolate Hills (Philippines), are less well known. In this course, we will discuss the character and origins of these and many other wondrous geologic features found on Earth. In addition, we will inspect the complex connections between humans and these geological wonders. The goal of this course is to enhance our enjoyment of the Earth, and to obtain a better appreciation of how geologic processes work in time and space to create some of the most spectacular geologic features on our planet.

Instructor: Frank Ethridge, professor emeritus of Geology at Colorado State University, worked as a geologist with the U.S. Army Corps of Engineers, the Texas Highway Department, and Chevron Oil Co. Frank has conducted courses and led field trips for geological societies and petroleum companies. He taught geology at Southern Illinois University and Colorado State University for a total of 35 years. Frank has a long-term interest in the Evolution of Earth and has taught courses in this topic for CSU and Osher.

Time: 10 a.m. – Noon

Dates: Wednesdays, 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

Drawing FUNdamentals

★ #OSHR 2020 001

This fun course will have you excited about drawing. Participants will learn various techniques in Conte crayons, graphite pencils, and 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. Carol has taught courses through Osher, the Professional Development Institute, and CTSS while working at CSU. She is excited about sharing her love of drawing with her students.

Time: 12:30 – 3:30 p.m.

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

Class Size: 35 participants

Cost: \$90

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

Origins of Art and Architecture in Colorado and the West

★ #OSHR 2050 001

The visual arts have played an important role in the many stages of Western American history. Before the arrival of Europeans, there were many flourishing artistic traditions created by the indigenous peoples of the Americas. The sophisticated designs of Native American pottery and weaving contrasted sharply with European styles of portrait and landscape painting brought by settlers, while the influence of Spanish Colonial architecture remains throughout the west. This course will explore the development and energy of American art and architectural styles. Beginning with the enduring beauty of Native American art, and ending with current trends in contemporary art styles, the goal is to add structure and context to our museum and gallery experiences.

Instructor: Joe Osmann, M.F.A., has taught art history and studio art for forty years. His approach is student-centered and interactive. Attracted to the visual arts at an early age, his life's work has been devoted to the exploration and application of the power of visual literacy and design.

Time: 1 – 3 p.m.

Dates: Wednesdays, 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

Israel-Palestine: How did it get so messy? Is peace even possible?

★ #OSHR 5020 001

The current Israel-Palestine conflict is deeply rooted in the messy history of that corner of the world, going back thousands of years. We will look at the history of the Jewish connection to the Land, the growth of a Palestinian national movement, the Oslo Agreement and other efforts for peace, current views on Israel's presence on the West Bank, and whether peace can ever truly be possible.

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

Time: 4 – 6 p.m.

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

Class Size: 40 participants

Cost: \$60

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

The Examined Life

● #OSHR 9030 001

Reflecting on our lives – about how we have changed, how we have grown, times when we have accepted challenges or run from them – blesses us profoundly. Each of us has stories to tell and wisdom to share. Beyond that, we also hear the siren call to ongoing personal development, as it is the Soul's conviction that: "It ain't over until it's over." Come develop tools for capturing and expressing the important journeys, road blocks, satisfactions and frustrations of your life. Learn what wisdom is yours to share. Discover where you are being invited to journey next.

Instructor: Laurie Gudim is a retired psychotherapist whose practice spanned more than 30 years. With a M.A. in professional psychology, extensive experience in lay leadership in the Episcopal Church, and training in eliciting spiritual autobiographies from people of all faith traditions or none, Ms. Gudim

has a deep reverence for the wisdom of individuals in relationship with the Holy.

Time: 1 – 3 p.m.

Dates: Wednesdays, Mar. 27, April. 3, 10, 17, 24, May. 1 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Baby Step through Acrylic Painting

● #OSHR 2000 001

Interested in trying something new, expanding your current skill set, or discovering your own unique style as an acrylic painter? From the basics of fundamental drawing to acrylic strokes and technique, this course offers something for all who want a positive, encouraging, atmosphere in which to grow your confidence as an artist. We will study other artists to analyze their methods, explore various techniques for ourselves, and have fun putting newfound knowledge into practice.

Instructor: Christy Jensen was fortunate to grow up in a family of artists that provided fuel for her creativity and love for painting. She studied formally at Brigham Young University and continued her own art education through various local courses. She is a gifted artist in watercolor and acrylic, and enjoys Plein Air drawing and painting. That her five children have each become great artists in their own right is a testament to Christy's ability to inspire.

Time: 1 – 4 p.m.

Dates: Wednesdays, Mar. 27, April. 3, 10, 17, 24, May. 1 (6 weeks)

Class Size: 15 participants

Cost: \$60

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

The Anasazi Mystery

● #OSHR 6025 001

An entire society abandoned. Where did they go? Why did they leave their homes? We don't know for sure. The Anasazi (Ancient Puebloans) occupied the American southwest for hundreds of years. Enjoy a closer look at the beauty and mystery of their culture and try to answer the question yourself.

This course offers a fun adventure for the curious, armchair historian. Join us to examine the enigmas of Anasazi architecture, roads, astronomy, trade, and other impressive cultural phenomenon of this past civilization.

Instructor: Lee Needham is a local educator with Poudre School District. He has taught several different history courses over the last 20 years. His interest in Anasazi culture stems from traveling and studying the archeological evidence across the southwest.

Time: 4 – 6 p.m.

Dates: Wednesdays, Mar. 27, Apr. 3, 10, 17, 24, May 1 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Drawing en Plien Air 2.0

● #OSHR 2040 001

This beginning/intermediate drawing class will introduce participants to the advantages of drawing outdoors and from direct observation. Classes will be held at the Osher Classroom and at various sites around Fort Collins. Participants will need to provide their own transportation. A recommended art supply list will be distributed during the first class. Please bring the following basic supplies to the first class:

- One 9x12 or 11x14 sketchpad containing white, multipurpose drawing paper
- An assortment of graphite drawing pencils
- A white eraser and a kneaded eraser
- Assorted color pencils or soft pastels

Instructor: Margeret Sharkoffmadrid is a part-time history faculty member at Front Range Community College and a 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.

Time: 9 a.m. – Noon

Dates: Wednesdays, Apr. 17, 24, May 1 and Fridays, Apr. 19, 26, May 3 (6 classes)

Class Size: 20 participants

Cost: \$100

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

To enroll in Osher courses, members can:

- Enroll online (most efficient)
- Email course requests to Lisa.Smith@colostate.edu
- Mail enrollment form into the Osher office
- Drop off enrollment forms at the Osher office

All course requests will be processed in the order they are received.

OSHER THURSDAY

Wonders of Watercolor

★ ● #OSHR 2025

Leave your inhibitions at the door! Come join us and discover the thrill of being creative. You will learn that painting is a wonderful way to express yourself. This class will have you experimenting with a variety of techniques, playing with color, and magically transforming two-dimensional surfaces into exciting images both bold and dramatic. These three hours each week offer you an opportunity to let go of whatever worries you may have and immerse yourself in becoming a confident painter creating images you never imagined you'd be producing! Each class session will have a featured topic, complete with explanations, examples, and instruction. Your instructor will do a demo at the beginning of class as he explains each step. Then painters have plenty of time to work on their own paintings with one-on-one instruction.

Instructor: Randy Hale is a natural-born teacher. He easily carries on a conversation explaining each step and decision while he paints. He is equally comfortable depicting any subject, using landscapes, portraits, figures or abstracts to illustrate a point. Randy encourages his students to create a story in which the viewer can participate. His mantra of "less is more" rallies painters to simplify, suggest, and imply – letting water do most of the work to prevent compositions from becoming overcomplicated. By inspiring a viewer to imagine detail where none may actually exist, he entreats the viewer to engage in your painting as a full participant. And therein lies the magic of good painting!

Section 001

Time: 9 a.m. – Noon

Dates: Thursdays, Jan. 24, 31, Feb. 7, 14, 21, 28, Mar. 7 (7 weeks)

Class Size: 20 participants

Cost: \$105

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

Section 002

Time: 9 a.m. – Noon

Dates: Thursdays, Mar. 14, 21, 28, Apr. 4, 11, 18, 25 (7 weeks)

Class Size: 20 participants

Cost: \$105

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

Phone _____

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We value your support!

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www.osher.colostate.edu



Membership and Registration Form

(970) 491-7753 | www.osher.colostate.edu



Colorado State University
ONLINE

SPRING 2019

Program Registration

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

Select Courses

Course Number and Title	Cost
1 OSHR	
2 OSHR	
3 OSHR	
4 OSHR	

Select Perk Lectures (\$5 per Perk) Members receive one free perk lecture per year with membership.

Perk Number and Title	Cost
1 OSHR	
2 OSHR	
3 OSHR	
4 OSHR	

Select Special Programs

Special Program Number and Title	Cost
1 OSHR	
2 OSHR	

Select Value-Added Draw Courses

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 24, 2019** at Drake Hall, 2545 Research Blvd., Fort Collins, CO 80526. The draw will be held **January 25, 2019**

Rank Order Preference of Courses by Number and Title	Confirm <small>(office use only)</small>
1 OSHR	
2 OSHR	



Membership and Registration Form

(970) 491-7753 | www.osher.colostate.edu



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 _____

OSHER THURSDAY *continued*

Watercolor that Glows

★ ● #OSHR 2030

You've heard the expression, "Let your light shine!" In this class we will definitely let LIGHT shine in our paintings by learning how to capture the unique characteristics of watercolor that provide luminous and glowing results. This class will feature lessons on how to bring light into our painting, capitalizing on the transparent nature of watercolor. Come learn these important secrets to make a painting come alive and be filled with life and light!

Some prior experience in watercolor is recommended. There will be new lessons each week, from January through late April for those who'd like to sign up for both sessions of the spring semester. Classes fill up fast, so don't hesitate to register for both sessions at the same time.

Instructor: Randy Hale is a natural-born teacher. He easily carries on a conversation explaining each step and decision while he paints. He is equally comfortable depicting any subject, using landscapes, portraits, figures or abstracts to illustrate a point. Randy encourages his students to create a story in which the viewer can participate. His mantra of "less is more" rallies painters to simplify, suggest, and imply – letting water do most of the work to prevent compositions from becoming overcomplicated. By inspiring a viewer to imagine detail where none may actually exist, he entreats the viewer to engage in your painting as a full participant. And therein lies the magic of good painting!

Section 001

Time: 1 – 4 p.m

Dates: Thursdays, Jan. 24, 31, Feb. 7, 14, 21, 28, Mar. 7 (7 weeks)

Class Size: 20 participants

Cost: \$105

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

Section 002

Time: 1 – 4 p.m

Dates: Thursdays, Mar. 14, 21, 28, Apr. 4, 11, 18, 25 (7 weeks)

Class Size: 20 participants

Cost: \$105

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

Britain in the 20th Century and Beyond

★ #OSHR 6005 001

Within little more than a century, Britain experienced dramatic changes and challenges both foreign and domestic. This course will examine how Britain tackled these challenges and what effects they have had on their society and people living there. Come take a look at British history from the time of its great empire, through two world wars, a major depression, the creation of a welfare state, to Brexit and beyond.

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 taught World War II history at CSU.

Time: 10 a.m. – Noon

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

Class Size: 40 participants

Cost: \$60

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

Winning the War on Cancer – Part 1

★ #OSHR 9010 001

Each of us, especially those in advanced age, can develop cancer. What is cancer? What causes cancer? Can cancer be prevented? How is cancer treated? Are there better treatments now than in the past? This is a good class for anyone who wants these questions answered.

From the advent of mustard gas derivatives in World War II to present day approvals, cancer drug development has undergone unparalleled advancements. This course will review the characteristics of cancer, outline the history of cancer drug development, explain the action and side effects of drugs, discuss cancer drug therapies, and describe the promising future of drug development.

Instructor: Vincent A. Vidaurri, a pharmacist for over 20 years, earned a Doctorate of Pharmacy from Idaho State University and a B.S. in Pharmacy from the University of Colorado. He is a Board Certified Oncology Pharmacist and, for the past 7 years, has been providing cancer care for patients in Northern Colorado.

Time: 1 – 3 p.m.

Dates: Thursdays, 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

International Current Events Roundtable

★ #OSHR 5000 001

International current events present us with unending and transforming circumstances. Throughout this course, the format of each two-hour session is designed to be a participatory dialogue, discussion, and analysis of ongoing world events. There will be a moderator, but no single presenter or lecturer. If you are interested in learning and sharing ideas, concepts, and interpretations related to worldwide current events – and willing to participate actively over an eight-week time period – this roundtable is for you!

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

Time: 1:30 p.m. – 3:30 p.m.

Dates: Thursdays, Jan. 31, Feb. 7, 14, 21, 28, Mar. 7, 14, 21 (8 weeks)

Class Size: 35 participants

Cost: \$80

Location: Community Foundation of Northern Colorado, 4745 Wheaton Dr.,

Journey Through a Book: Hillbilly Elegy

● #OSHR 4005 001

Take a journey through a book with us and discover all that can be found within the pages. We'll discuss J.D. Vance's highly acclaimed memoir, *Hillbilly Elegy*. Vance writes about the chaos, hopelessness, and compassion of growing up as a “hillbilly” in the Rust Belt near the Appalachian Trail. His book raises questions about culture and family, while telling a fascinating personal story. We'll explore the book's issues and the techniques used in writing a memoir. We'll also do memoir writing exercises, so bring along your ideas for your own narratives.

Instructor: Sara Hoffman was an adjunct journalism professor at Colorado State University for 20 years, and has taught writing classes for Osher, Poudre School District, and regional businesses. She has worked as a journalist off and on for more than 40 years and has both a bachelor's and a master's degree in journalism. This fall, she is self-publishing a historical-fiction novel about her grandmother.

Time: 10 a.m. – Noon

Dates: Thursdays, Mar. 28, Apr. 4, 11, 18, 25, May 2 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

OSHER THURSDAY *continued*

Winning the War on Cancer – Part 2

● #OSHR 9015 001

This course will continue the discussions around causes and treatments of cancer, and supplements that are safe to use during chemotherapy. Participants from part 1 will enjoy the continuation of learning on the subject, and new-comers will be able to jump in easily.

Instructor: Vincent A. Vidaurri, a pharmacist for over 20 years, earned a Doctorate of Pharmacy from Idaho State University and a B.S. in Pharmacy from the University of Colorado. He is a Board Certified Oncology Pharmacist and, for the past 7 years, has been providing cancer care for patients in Northern Colorado.

Time: 4 – 6 p.m.

Dates: Thursdays, Mar. 28, Apr. 4, 11, 18, 25, May 2 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

For and Of this (Our) Land

● #OSHR 4020 001

In the age of human influence over nature, where do you find yourself in relation to the natural world? How and when does nature and wilderness show up in your writing? In this generative class, we will discuss these questions and more as we explore Eco poetry and nature writing. Through readings, guided exercises, and discussions, we will investigate nature and wilderness in poetry through themes of absence and abundance, beauty and bewilderment, and the intersections with social justice. New writers 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 End of the World Again*.

Time: 1 – 3 p.m.

Dates: Thursdays, Apr. 4, 11, 18, 25, May 2, 9 (6 weeks)

Class Size: 15 participants

Cost: \$60

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

OSHER FRIDAY

Changing Times: Domestic and Foreign

★ #OSHR 5025 001

From various Amendment Rights, Election Reform, Corruption and Abuse of Power, or even Climate Change this course will provide a chance for everyone to weigh in on all those little things you've always thought "There Ought to be a Law... or an Amendment... or a Mandate from Heaven." We will discuss formulating new laws as well as changing existing ones. In addition, this class will also include a look at turning points in history that have defined our world today both foreign and domestic: critical moments that have caused the fortunes of Great Powers to abruptly change, often from a single, little-noticed event... whether for better or for worse.

Instructor: Dan S. Ward is a former Naval Officer (submarines) and a Certified Financial Planner. He also holds a Ph.D. in nuclear physics and is a usurper of various academic disciplines. He has taught numerous courses in science, math, finance, geopolitics, ancient history, engineering, and current events.

Time: 10 a.m. – Noon

Date: Fridays, Feb. 1, 8, 15 (3 weeks)

Class Size: 40 participants

Cost: \$30

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

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

Gee-Whiz of Chemistry

● #OSHR 8025 001

From the mundane items lying around the house to the very water we drink, the entire world around us is filled with all sorts of things whose very nature we take for granted. In this course we will pull back the curtain on some of these mysteries and take a look at how things work at their minute levels, invisible to the naked eye. We will shed light on questions you never thought to ask: from “What makes water ‘Wet’?” to “What makes atomic bombs explode?” to “Why are some bananas ‘organic’?” We will examine all of these questions and more to better understand the chemistry of the incredible and mysterious world around us.

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

Time: 10 a.m. – Noon

Dates: Fridays, Mar. 29, Apr. 5, 12, 19, 26, May 3 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Nuts and Bolts of Self-publishing

● #OSHR 4025 001

This course is a must for those grappling with the decisions about how to break into the publishing world, and to get a glimpse of 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.

Instructor: Chuck Barrett is the bestselling author of the Award-Winning Jake Pendleton series – Breach of Power, The Toymaker, and The Savannah Project, as well as his award-winning blockbuster, BLOWN, the first book in his new

Gregg Kaplan series. His fifth thriller, and fourth in the Jake Pendleton series, DISRUPTION, was released in October 2016

Time: 9 a.m. – Noon

Dates: Fridays, Mar. 29, Apr. 5, 12, 19, 26, May 3 (6 weeks)

Class Size: 40 participants

Cost: \$90

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

2 New Deals: Adolph Hitler and Franklin Roosevelt and Dust

● #OSHR 6010 001

Many people might be surprised to hear that there were actually two New Deals in the 1930's, not just one. Franklin D. Roosevelt and Adolf Hitler came into their political offices about one month apart. Both faced similar economic problems caused by the Great Depression. This course will compare how each man dealt with his nation's situation and what their results were.

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

Time: 1 – 3 p.m.

Dates: Fridays, Mar. 29, Apr. 5, 12, 19, 26, May 3 (6 weeks)

Class Size: 40 participants

Cost: \$60

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

Mindfulness Practices for Everyday Life

● #OSHR 9000 001

This course offers a variety of mindfulness practice tools for diverse audiences, and contributes to stress reduction, relaxation, focus, concentration, and overall well-being. Each session will be 75% group practice and 25% overview (a combination of tailored research applications, physical and mental benefits, and a description of the mindfulness practice tool and its historical and current use). New mindfulness practices will be introduced each week, with a review of the previous week's practice. Participants will be invited to engage in "hands-on" practices as guided by the Instructor. Q & A will follow each practice to share in a group format, within your comfort level, so that we can learn from each other's experiences and inform the next week's session. Everyone is welcome and beginners are encouraged to attend.

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

Time: 1 – 3 p.m.

Dates: Fridays, Mar. 29, Apr. 5, 12, 19, 26, May 3 (6 weeks)

Class Size: 35 participants

Cost: \$60

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

Spring 2019 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 - 3 p.m.

Date: Wednesday, September 5 (Please register by 5 p.m., August 31)

Class Size: 250 participants

Cost: Free

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

Food for Life: Kickstart Your Health

★ #OSHR 1005 001

Kickstart is a fun class for those wanting to lose weight, maintain a healthy weight, or simply embrace an overall healthy diet. This course focuses on choosing and learning how to prepare yummy plant-based foods and enjoy eating for optimal health, rather than focusing on restricting amounts. Come learn how to increase energy, lower blood pressure and cholesterol, and manage diabetes more effectively. Get empowered with practical cooking skills needed to help you on your journey to better health. In each class, participants will enjoy a quick and easy cooking demonstration and taste delicious, healthy dishes.

Instructor: **Sapna Von Reich** is a 'Food for Life' instructor for PCRM (Physicians Committee for Responsible Medicine). She holds a certification in plant-based nutrition from Cornell University and is a lifestyle health coach and a well-known plant-based food educator in Northern Colorado.

Time: 10 a.m. – Noon

Dates: Mondays, Feb. 2, 11, 18, 25, Mar. 4 (5 weeks)

Class Size: 25 participants

Cost: \$100

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

Beginning Digital Photography

● #OSHR 1020 001

In this highly interactive course, you will learn about basic camera features, buttons, and dials; key menu items; composition; how f/stops and shutter speeds work; how the built-in light meter works; lenses; and more. Time permitting, Eli will demonstrate some basic in-the-field applications. **(For DSLR, mirrorless, or point-and-shoot camera users).**

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.

Time: 9 – 5 p.m. (Lunch and breaks included)

Dates: Saturday, March 16

Class Size: 15 participants

Cost: \$100

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

Behind the Creative Eye: Art Studio Tour

● #OSHR 1010 001

Prominent local artists invite you to join them in their studios to personally share their artistic process and creations. Each week, participants will meet with an artist at his or her studio for two hours of history, demonstration, and discussions. The artists featured in this course will be:

- 03/29: Clint Eccher – Painting
- 04/5: Colorado Shoe School – Cobbler
- 04/12: Shelly Hearne – Painting
- 04/19: Shelly Kerr – Sculpture
- 04/26: Marty Miller – Selva Aesthetics and Design
- 05/3: Kari Armstrong – Costumes

Time: 1 – 3 p.m.

Dates: Fridays, Mar. 29, Apr. 5, 12, 19, 26, May 3 (6 weeks)

Class Size: 15 participants

Cost: \$75

Location: Individual Artist's Studios (Addresses will be emailed to all participants within one week of the start date)

Supreme Court

● #OSHR 1035 001

Now that the midterm elections are over, several probable patterns are clear. Democrats will likely avoid bringing cases to the Supreme Court and Republicans will immediately begin initiating test cases to see how far the new Court is willing to veer to the right. The gridlocked Congress will become even more dysfunctional putting additional pressure on the Court to resolve important social, economic, and political issues. Democrats will focus on initiating change at the state and local level which will raise significant states' rights issues with both Congress and the Court. Republicans will focus on the often conflicting goals of reducing the size of the administrative state and, at the same time, expanding executive power. Within the Court itself, the interaction of Roberts, Gorsuch, and Kavanaugh will most likely determine the direction of the Court for the near future.

There is still room on the Court's current docket for many new cases, and oral argument for new cases does not end until April 24th. This all-day seminar in early May will analyze the oral arguments for the most controversial new cases added, and participants will then attempt to make predictions about how those cases will be resolved by the end of June.

Time: 9 a.m. – 3 p.m. (1 hour lunch break)

Date: Wednesday, May. 8

Class Size: 40 participants

Cost: \$50

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!

SPECIAL PROGRAMS continued

Russian Retrospectives

● #OSHR 1015 001

Russian Retrospective is an exhibition of the complex and fascinating cultures and traditions of Russia. The exhibit features personal stories of growing up there, of living there as exchange Americans in a scientific village, and more. Among the exhibits are children's toys, schoolbooks and cartoons; folk and fine arts, including painted eggs, nutcrackers, the nesting doll tradition, and iconography; WWII memorabilia; and handicraft demonstrations. The Global Village Museum of Arts and Cultures engages and inspires visitors to learn more about world cultures and art. Exhibits are sourced entirely from the Northern Colorado community.

Instructor: Dawn Behr

Time: 4 – 6 p.m.

Date: Wednesday, May 8

Class Size: 35 participants

Cost: \$20

Location: Global Village Museum, 200 W. Mountain Ave., Fort Collins, CO

A Day with a Naturalist at the Museum

● #OSHR 1050 001

Dioramas allow the eyes to stroll about preserved and mounted specimens. As the eyes stroll, the mind can travel to distant times and unvisited places. Natural history museums offer more than dreams and imaginations. Research collections offer unequalled opportunity to comprehend wildlife to a degree unimagined. This field trip to the Denver Museum of Nature and Science will show you how to get more from dioramas, and will reveal what behind-the-scenes research collections can do that dioramas cannot. You may have visited a natural history museum, but you have not been to the museum until you've been there with a naturalist.

Participants will be responsible for their own transportation to the museum and parking. Details about where to meet will be sent to all participants in an email approximately one week prior to the excursion.

Instructor: Kevin Cook moved to Colorado in 1974 where he earned college degrees in biology and wildlife biology. Since 1981, he has worked as a naturalist

who travels Colorado to engage its wildlife so that he can share his passion for life through a weekly newspaper column, monthly library lectures, and various classes.

Time: 9:30 a.m. – 3:30 p.m.

Date: Monday, May 13

Class Size: 35 participants

Cost: \$70 (includes course fee + museum entrance)

Location: Denver Museum of Nature and Science, 2001 Colorado Blvd, Denver

A Day with a Naturalist at the Zoo

● #OSHR 1040 001

Just looking at a horse and rhinoceros, or a heron and a crane, may not reveal the similarities that make the pairs relative, but having the details pointed out by someone who knows what to look for can make the invisible more obvious. Rather than strolling the whole zoo, this field trip will focus on seeing – truly seeing – specific traits of certain animals that we have all heard about but may not really understand. You may have visited a lot of zoos, but you have not really been to the zoo until you've been there with a naturalist.

Participants will be responsible for their own transportation to the Denver Zoo and parking. Details about where to meet will be sent to all participants approximately one week prior to the excursion.

Instructor: Kevin Cook moved to Colorado in 1974 where he earned college degrees in biology and wildlife biology. Since 1981, he has worked as a naturalist who travels Colorado to engage its wildlife so that he might share his passion for life through a weekly newspaper column, monthly library lectures, and various classes.

Time: 9:30 a.m. – 3:30 p.m.

Dates: Friday, May 17

Class Size: 35 participants

Cost: \$70 (includes course fee and zoo entrance)

Location: Denver Zoo, 2300 N. Steele St., Denver, CO 80205

SPECIAL PROGRAMS continued

Intermediate Digital Photography

● #OSHR 1030 001

In this highly interactive course, you will learn advanced applications of camera features, buttons, and dials, as well as advanced techniques and artistic composition. You will learn advanced applications of ISO, White Balance, f/stops, shutter speeds, multiple exposures, BULB setting for creative applications, computer software fine-tuning tips, and more. Time permitting, Eli will demonstrate some key advanced in-the-field applications. **(For DSLR or mirrorless camera users).**

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.

Time: 9 – 5 p.m. (Lunch and breaks included)

Date: Saturday, May 18

Class Size: 15 participants

Cost: \$100

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

To enroll in Osher courses, members can:

- Enroll online (most efficient)
- Email course requests to Lisa.Smith@colostate.edu
- Mail enrollment form into the Osher office
- Drop off enrollment forms at the Osher office

All course requests will be processed in the order they are received.

OSHER PERKS

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.

Wholesome Whole Grains

★ #OSHR 3000 001

Grains are rich in fiber and other complex carbohydrates, as well as protein, B vitamins, and zinc. Do you want to include more whole grains in your diet but don't know how to prepare them? Join us to learn how to build each of your meals around a hearty grain dish. This class will also focus on bountiful whole grains that are naturally gluten free and healthy. Come enjoy a cooking demonstration and taste some delicious samples while learning about the benefits of Whole Grains.

Instructor: Sapna Von Reich is a 'Food for Life' instructor for PCRM (Physicians Committee for Responsible Medicine). She holds a certification in plant-based nutrition from Cornell University, and is a lifestyle health coach and a well-known plant-based food educator in Northern Colorado.

Time: 10 a.m. – Noon

Date: Monday, January 28

Class Size: 35 participants

Cost: \$5

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

Be Careful What You Wish For: Colorado's Adventure with Direct Democracy

★ #OSHR 3110 001

In the early 1900s, Colorado, along with many other states, adopted what seemed at the time to be wonderful new populist political innovations – the initiative, referendum, and recall. The advertised purpose was to wrest government from the grip of crooks in legislatures, the lobby and big business, and return it to real folk. So, how did that work out?

Be Careful What You Wish For #OSHR 3110 001 (continued from previous page)

Instructor: **John Straayer** is Professor Emeritus in Political Science. He joined the faculty in 1967 and retired in May 2018. He chaired the department for 15 years and supervised its legislative internship program in the state capitol for 37 years. John's primary academic interests and work center on Colorado politics.

Time: 3 – 4:30 p.m.

Date: Monday, January 28

Class Size: 35 participants

Cost: \$5

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

Collapse of the World Trade Center Towers on 9/11/2001

★ #OSHR 3015 001

How did two airplanes striking two buildings cause the total collapse of three steel frame, high-rise buildings on that day? This presentation will start with a review of the building collapses, followed by a summary of the various studies that explained how the buildings collapsed. The studies include the most noted FEMA study (2002) and the NIST studies (2005 and 2008). In addition, several related technical papers, studies prepared for court cases, and a current study underway at the University of Alaska Fairbanks will be reviewed. The program will be “food for thought” for those interested and stimulation for those who want to learn more about the subject.

Instructor: **Michael Herzig** is a licensed civil engineer in California and Colorado and a graduate of the University of Colorado. He worked for 42 years in public works engineering for the Cities of Los Angeles and Fort Collins. He is also a Life Member of the American Society of Civil Engineers (ASCE) and was past president and secretary for the Northern Colorado Branch.

Time: 4 – 6 p.m.

Date: Wednesday, February 6

Class Size: 35 participants

Cost: \$5

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

The Astrolabe: Mankind's First Handheld Computer

★ #OSHR 3050 001

Want to know what time it is day or night? When will the sun rise? When will it go down? When will the next eclipse occur? When do conjunctions of the planets, sun, or moon occur? Where are you north or south along a meridian? Which stars can you see winter or summer, and where will they be located tonight? What phase is the moon in currently? How high in the sky will the sun or moon rise today? More than a thousand years ago, you might have consulted a “handheld” computer/calculator called an Astrolabe to determine any of these matters.

Instructor: **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: 1 – 3 p.m.

Date: Friday, February 8

Class Size: 35 participants

Cost: \$5

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

Satellite Imagery: Absolute Truth or Misleading Half-Truths?

★ #OSHR 3085 001

Satellite images are part of the big data revolution, where bits and bytes form the basis of algorithms designed to describe phenomenon on the Earth's surface and in the atmosphere. But how reliable are they?

Instructor: **Dr. Melinda Laituri** is a professor of geography in the Department of Ecosystem Science and Sustainability at Colorado State University. She is the Director of the Geospatial Centroid at CSU that provides support for geospatial research and teaching across the university.

Time: 3 – 4:30 p.m.

Date: Monday, February 11

Class Size: 35 participants

Cost: \$5

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

The Events of November 6, 2018

★ #OSHR 3075 001

On November 6, 2018, America participated in one of the most important midterm elections in US history. In this lecture, an analysis of what happened (and the consequences) will be presented by a physicist, a veteran of the Department of State, and a political science professor.

Instructors: **Dan S. Ward** is a former U.S. Navy Officer (submarines), a certified financial planner, and holds a doctorate in nuclear physics.

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

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

Time: 10 a.m. – Noon

Date: Friday, February 15

Class Size: 35 participants

Cost: \$5

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

Ancient Bristlecones and Giant Sequoias: The amazing story of the ecology and survival of the world's oldest and largest trees

★ #OSHR 3025 001

Ancient Bristlecones and Giant Sequoias capture our imagination with their incredible age and size. This two-part pictorial presentation records Tim Buchanan's visit to groves of each of these species in California. Each tree will be presented with detailed information about its identification, ecology, growth, and threats.

Instructors **Tim Buchanan** served as the Fort Collins City Forester for more than 40 years. He holds a master's degree from Colorado State University. Tim has served as president of the Rocky Mountain Chapter of the International Society

of Arboriculture and the Front Range Urban Forestry Council. He has taught and lectured extensively on urban forestry management and trees.

Time: 4 – 6 p.m.

Date: Wednesday, February 20

Class Size: 35 participants

Cost: \$5

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

Conversations that Bridge Age, Gender, Culture, and Belief Gaps

★ #OSHR 3105 001

This interactive, two-hour workshop 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.

Instructor: **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 them learn from each other.

Time: 1 – 3 p.m..

Date: Friday, February 22

Class Size: 35 participants

Cost: \$5

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

The History and Aerodynamics of the Golf Ball

★ #OSHR 3055 001

This lecture will provide a study of the controversial game of golf, from its inception in the middle ages to modern times. Clarification about its ancestry (Holland, Scotland, or Tibet?) will be discussed. Examination of the strange and wonderful flight of the golf-ball which has been described as “lofting, soaring, shying, donking, snaking, diving, ducking, heeling, toeing, and/or slicing” will also be discussed. This leads variously to the invention of the golf tee, various and strange clubs, golf rules, golf records, and the internal construction of the modern golf ball. The presentation includes ancient pictures, stained glass windows, multimedia animation, and jokes. Although it focuses on golf, this non-technical presentation should interest experts and duffers, golfers and non-golfers, men and women, and even sports antagonists.

Instructor: 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: 1 – 3 p.m..

Date: Friday, February 22

Class Size: 35 participants

Cost: \$5

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

Emerald Ash Borer: The Threat and Reality to 70,000 ash trees in Fort Collins

★ #OSHR 3030 001

This lecture will detail information on the biology, impact, and control of the Emerald Ash Borer (EAB). The EAB Beetle poses a massive threat to the forests of North America and is anticipated to be found in Fort Collins within 5 years. Its arrival will cause a catastrophic change to our urban forest and environment. With 70,000 ash trees in the city, which account for over 25% of the canopy, this presentation will provide information that every citizen should be aware of.

Instructor: Tim Buchanan served as the Fort Collins City Forester for more than 40 years. He holds a master's degree from Colorado State University. Tim has served as president of the Rocky Mountain Chapter of the International Society

of Arboriculture and the Front Range Urban Forestry Council. He has taught and lectured extensively on urban forestry management and trees.

Time: 4 – 6 p.m..

Dates: Wednesday, February 27

Class Size: 40 participants

Cost: \$5

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

History of Pi

● #OSHR 3060 001

No number has captured the attention and imagination of number fanatics and nerds throughout the ages as much as the ratio of a circle's circumference to its diameter – a.k.a. pi. This presentation brings you the story of pi and humankind's fascination with it, from Archimedes to da Vinci to the modern day Chudnovsky brothers, who holed up in their Manhattan apartment with a homemade supercomputer churning out digits of pi into the billions.

Instructor: 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: 1 – 3 p.m.

Date: Friday, March 1

Class Size: 35 participants

Cost: \$5

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

Reflections on the Irish, Ireland, and Irish Americans

● #OSHR 3010 001

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 addresses in this class. Student's observations on these questions will be welcome too.

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 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: Monday, March 11

Class Size: 40 participants

Cost: \$5

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

James Beckworth – The Black Mountain Man – The Gaudy Liar

● #OSHR 3065 001

James Pierson Beckwourth (1798 – 1866) was born a slave in Frederick County, VA. At an early age, he trapped throughout the frontier for the Rocky Mountain Fur Company. He was adopted by a Crow Indian tribe in 1833, was made a war chief, and fought the Cheyenne, Blackfoot, and Sioux. He was widely known and respected for his tall tales about himself, which people assumed were lies, but later turned out to be true; nonetheless, he was deemed the “Gaudy Liar.”

Instructor: 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: 1 – 3 p.m.

Date: Monday, March 11

Class Size: 35 participants

Cost: \$5

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

Restorative Justice: Principles for Peacebuilding

● #OSHR 3090 001

Sadly, the United States leads the first world nations in percent of our population that is incarcerated. Restorative justice (RJ) has the potential to help jump start new and qualitatively different conversations, policies, and practices within and beyond the criminal justice system. Because of its emphasis on self-responsibility, learning, forgiveness, and healing, restorative principles can also help build a foundation for peacebuilding

Instructor: Dr. William M. Timpson is a professor in the School of Education at Colorado State University. Drawing on his Ph.D. in educational psychology from the University of Wisconsin-Madison, he has written numerous articles, chapters, grants, and books including several that address issues of peace and reconciliation, sustainability and diversity.

Time: 3 – 4:30 p.m.

Date: Monday, March 18

Class Size: 40 participants

Cost: \$5

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

An Introduction to the Geologic Time Scale

● #OSHR 3020 001

Celtic tribes, Roman legions, sharks' teeth, mountains and valleys, feuds and friendships, religion and science – all have played roles in the development of our geologic time scale. In this perk session, we'll explore some of the fascinating tales of this process. Names like Cambrian, Silurian, Cretaceous, and Megahalyan will go from merely names heard in passing and take on all new meanings.

Instructor: William Cornell earned B.S. and M.S. degrees in Geology at the University of Rhode Island and 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 received a number of teaching and service awards from UTEP. In 2007, he received the Silver Beaver Award from the Boy Scouts of America. He is a master naturalist in the Fort Collins Natural Areas Department.

Time: 10 a.m. – Noon

Date: Wednesday, March 27

Class Size: 35 participants

Cost: \$5

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

Equal Protection and Due Process of law as applied to the States (14th Amendment)

● #OSHR 3080 001

While Senator Morrill is famously known for his Land Grant College Act (1862), what is less known is his role and participation in the passing and ratification of the 14th Amendment. Guy Kelley will be re-enacting Senator Morrill in the Chautauqua format, and the Senator is here to tell us the story about the necessity for and the dramatic passage of the 14th Amendment.

“When it comes to constitutional amendments, the 14th Amendment has played a big role in moving society forward. It was adopted 147 years ago ..., on July 28, 1868.” (USNews and World Report, July 28, 2015)

Instructor: Guy Kelly is a retired Associate General Counsel for Hewlett-Packard Company (HP) and a regent emeritus, having served on the Board of Regents for the University of Colorado (1993-1999). He currently teaches law at Front Range Community College. He is an avid history reader and cyclist.

Time: 3:30 – 5:30 p.m.

Date: Tuesday, April 2

Class Size: 40 participants

Cost: \$5

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

Japan – Part 3: Pacific Theatre in WWII: From Pearl Harbor to Midway

● #OSHR 3040 001

Following orders, Admiral Yamamoto launched the devastating attack on Pearl Harbor, even though he knew this was suicidal. The attack itself was not a failure. The Japanese crippled the American Pacific Fleet and gained an opportunity to invade South-east Asia. Eight hours following the Pearl Harbor attack, Japan proceeded to seize Hong Kong, Wake, Guam, the Philippines, Malaya, Singapore, Burma and Indonesia. Seemingly unstoppable, Japan won major battles during the next 178 days until their fortunes ran out at the Battle of Midway. Yamamoto was given one of the largest fleets in history to achieve a Midway triumph. With such a massive force, he set out to defeat the Americans. He failed, due in large part to intelligence provided by American naval code

breakers. Midway was one of the decisive turning points in WWII. Before Midway, the United States Navy was on the defensive, after Midway it revved up on the offensive. *Note: This is session #3 of a six-session perk series on the Pacific Theatre in WWII that began Fall 2018.*

Instructor: 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 Bernadino, Palm Desert Campus.

Time: 10 a.m. – Noon

Date: Wednesday, April 10

Class Size: 40 participants

Cost: \$5

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

What Does It Mean to be a “Conservative”?

● #OSHR 3100 001

Political labels often reveal little and hide much. This is true for labels across the political spectrum. This perk will focus on clarifying one of those labels – “Conservative.” A broad array of understandings of Conservatism will be examined, but the defining criteria will be anchored in the views and actions of the most widely respected Conservative of the modern era – Edmund Burke. His work, both as an historian and a practical politician, provides a rich and legitimate framework for understanding an authentic form of “conservative.”

Instructor: Bob Hoffert is professor and dean emeritus from CSU. He is a student of American political philosophy and the Anglo-American traditions of political thought during the 17th, 18th, and 19th Centuries.

Time: 3 – 4:30 p.m.

Date: Monday, April 22

Class Size: 35 participants

Cost: \$5

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

Japan – Part 4: Midway Strategy: From Parity to Supremacy

● #OSHR 3045 001

Japan's catastrophic loss at Midway was in large part the responsibility of Admiral Yamamoto. Upon returning to Japan, the admiral announced victory and had the survivors isolated. The Japanese raised Yamamoto to the status of a demigod. The Empire of the Rising Sun remained a most formidable opponent. Japan was determined to desperately hold on to the commodity-rich regions and the swaths of Fortress Islands they had so handily won. By the end of 1942, Yamamoto's "Sleeping Giant" was awakening. The United States military was expanding with lightning speed. The coming clash in the Solomon Islands represented the last chance for the Imperial Japanese Navy to inflict a strategic defeat upon the U.S. Pacific Fleet. They failed! The U.S. adopted a two prong Pacific strategy that brought sunset upon the Empire of Japan. *Note: This is session #4 of a six-session perk series on the Pacific Theatre in WWII that began in Fall 2018.*

Instructor: 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 Bernadino, Palm Desert Campus.

Time: 10 a.m. – Noon

Date: Wednesday, April 24

Class Size: 40 participants

Cost: \$5

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

The Wit and Wisdom of Winston Churchill

● #OSHR 3005 001

The Prime Minister who defended Britain in World War II has been called the "greatest man of the 20th Century." Churchill was many other things besides a great war-time leader. He was a writer, artist, historian, and imperialist. He also possessed a devastating wit. This course will attempt to rein in the myth to discuss the man himself: his background and struggles that were memorable and well worth learning more about.

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 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.

Time: 1 – 3 p.m.

Date: Tuesday, April 30

Class Size: 40 participants

Cost: \$5

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

Want to Bet? Kentucky Derby Primer

● #OSHR 3115 001

Back by popular demand! 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.

Presenters: Brian Cobb and Joe Vasos

Time: 3:30 – 5:30 p.m.

Date: Wednesday, May 2

Class Size: 35 participants

Cost: \$5

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

The B-17, Mighty Flying Fortress of WWII

● #OSHR 3070 001

The Boeing B-17 was the primary bomber used by the U.S. during World War II. It was developed by Boeing through a competition for a new plane requested by the Army Air Corps. The Model 299 flew (and crashed) in 1935, but by the end of 1945 more than 12,000 planes had been flown in Europe, over the Hump into China, and in the Pacific. This Perk Lecture follows the history of airplane manufacturer William Boeing: the development of the B-17 and its predecessors, the plane and its armament, Rosie the Riveter (songs and pictures), and even guides you to B-17 crash sites in Colorado. This presentation also considers the primary nemeses of the B-17: the Messerschmitt Bf 109, and the Fulk-Wolfe Fw 109.

Instructor: 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: 10 a.m. – Noon

Date: Monday, May 6

Class Size: 35 participants

Cost: \$5

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

Effective Habits of High Achievers

● #OSHR 3095 001

How do people behave in ways that allow them to achieve a high level of success and achievement? What can we learn and take away from these “high achievers” to learn more about ourselves and discover new strategies for success in life. For more than 50 years, behavioral scientists have studied the habits of these successful people from behavioral and emotional habits to things like financial management and spiritual habits. All of these particular habits and more will be presented and discussed in this Perk Series Lecture.

Instructor: Dr. Thomas is a licensed clinical psychologist (ret.) and certified life coach who specializes in behavioral medicine. For more than 10 years, he was the Acting Director of Montgomery County (NY) Mental Health Clinic/Program. He has been on the clinical faculty of the Albany Medical College,

and Consultant to Sunnyview Rehabilitation Hospital (all in NY). Currently, he is a faculty member of the International University of Professional Studies. Since 1981, he continues to write a weekly newspaper column titled “Practical Life Coaching.”

Time: 1 – 3 p.m.

Date: Monday, May 6

Class Size: 35 participants

Cost: \$5

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

Discovering & Reprogramming Your Healing System

● #OSHR 3035 001

Your healing system is always acting to keep your bodily health and life in balance. This presentation covers the impact your behavior has on that system. Such behavior includes: physical; mental; social; spiritual; and language habits. We will discuss consciously chosen activities that can reprogram the unconscious mind and the brain’s neural pathways through its neuroplasticity.

Instructor: Dr. Thomas is a licensed clinical psychologist (ret.) and certified life coach who specializes in behavioral medicine. For more than 10 years, he was the Acting Director of Montgomery County (NY) Mental Health Clinic/Program. He has been on the clinical faculty of the Albany Medical College, and Consultant to Sunnyview Rehabilitation Hospital (all in NY). Currently, he is a faculty member of the International University of Professional Studies. Since 1981, he continues to write a weekly newspaper column titled “Practical Life Coaching.”

Time: 3 – 4:30 p.m.

Date: Monday, May 20

Class Size: 35 participants

Cost: \$5

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

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