For the Love of Learning

University-quality, non-credit classes for students 50+

Osher Lifelong Learning Institute
Arizona State University

lifelonglearning.asu.edu
Semester membership fee entitles you to these benefits:

- OLLI at ASU student member ID card
- Discounted admission to the Deer Valley Petroglyph Preserve for workshops, lectures, speaker series, and adult camps offered through the ASU Center for Archaeology and Society
- Discounted tickets to performances at the ASU Kerr Cultural Center in Scottsdale
- Receive a one-session OLLI at ASU class free if you are a current member of the ASU Alumni Association
- 20% discount off “Individual” membership in The Arboretum at Flagstaff
- $10 discount off annual “Individual” membership or higher at Lowell Observatory in Flagstaff
- Discounted admission to the Heard Museum – American Indian Art and History – in Phoenix
- 20% discount on tickets to Southwest Shakespeare Company season performances at the Mesa Arts Center
- Discounted tickets to select shows at The Nash, Arizona’s jazz performance and educational venue in Phoenix
- $30 tickets ($89 value – seating in the Bronze Tier) to select Ballet Arizona matinee performances
- $20 “student rush” tickets to Arizona Opera season performances, and optional free enrollment in opera previews
- 20% discount on tickets to Salt River Brass season performances at the Mesa Arts Center
- $5 admission to Japanese Friendship Garden of Phoenix
- Connections to the Irish Cultural Center in downtown Phoenix, offering invitations to special events
- Discounted tickets to the ASU Herberger Institute of Design and Arts on the ASU Tempe campus
- Access to a fitness membership in the ASU Sun Devil Fitness Complexes
- Invitations to ASU educational events, and reduced or free admission to featured ASU events
- Opportunities for educational travel
- Opportunities for verified professional development
- University-quality learning experiences, and connections to a vibrant higher education institution
Five Campus Locations

ASU West campus
4701 West Thunderbird Rd, Glendale, 85306

ASU Downtown Phoenix campus
502 East Monroe St, Phoenix, 85004

Tempe Connections
at the Tempe Public Library
3500 South Rural Rd, Tempe, 85282

Maravilla Scottsdale
7325 East Princess Blvd., Scottsdale, 85255

Friendship Village Tempe
2645 East Southern Ave., Tempe, 85282

How to Register

Registration is required for all offerings and free events.

- **Online**: Go to lifelonglearning.asu.edu/registration
  - Fast! Easy! Secure!
  - Pay with a credit card on our secure website. No service fees!

- **By Phone**: Call 602.543.6440
  - Pay with a credit card.

- **Did you previously register by mail**?
  - We are no longer accepting paper registration forms, due to sustainability and security considerations. Please consider registering online or by phone.

Why Register Online?

- Classes fill quickly! You have a better chance of getting a seat in your favorite class when you register online, because you are enrolled immediately.

- No waiting on the phone! Online registration is a snap when you use your credit card.

- Quickly register for classes offered at all locations in one easy transaction.

- Receive your registration confirmation and class information instantly via email.

- Easily add more OLLI at ASU classes at a later date.

- Your OLLI at ASU membership ID card is included in your emailed registration confirmation, along with member codes for discounted admission and tickets to cultural venues. Print, and start using your benefits now!

Reach OLLI at ASU

Phone: 602.543.6440
Website: lifelonglearning.asu.edu
Email: lifelong@asu.edu

Registration and Fees

**$20 Semester Membership Fee**

One-time per semester membership fee entitles you to register at all locations and take as many classes as you wish!

**+ Class or Workshop Fees**

Fees are noted in the class descriptions

Refund Policy

Membership fees are nonrefundable. Class/workshop fees are nonrefundable, except in the event a class/workshop is cancelled. In this case, the applicable fee will be refunded at the close of the semester.

602.543.6440 | lifelonglearning.asu.edu
Dear OLLI at ASU community,

- What was Marco Polo thinking as he explored East Asia?
- Why is Jerusalem the epicenter of three huge world religions?
- Are physics really “spooky,” and how so?
- What is the relationship between politics, religion, and economics?
- How are new technologies impacting sustainability efforts?

If any of these questions cause you to think deeper about the world—why it works the way it does, and the issues that surround it—then you are in the right place. Welcome to another semester of transformative learning experiences! I am excited to present to you another class schedule packed with classes taught by our world-class OLLI at ASU instructors. It is time once again to expand our perspectives, converse with friends, and become involved with Arizona State University and our local communities.

Learning indeed moves beyond the classroom! OLLI at ASU now has 25 community partners, including our newest ones: the Lowell Observatory in Flagstaff, Salt River Brass, and the Japanese Friendship Garden (a healing oasis right in the middle of our thriving metropolitan area). Please visit our website to learn more about our phenomenal partners!

This fall, we are delighted to send an OLLI at ASU member, Dr. Cathy Eden, as our own special ambassador to a three-month internship with our lifelong learning colleagues at Dublin City University, in Ireland! During her stay, Cathy will be building a global platform for learning exchanges between communities, creating ties that span oceans.

Our local community ties are stronger, too. Dr. Rosemarie Dombrowski and her volunteer leadership team have been collecting innovative poetic, prosaic, and creative visual arts from members of our beloved OLLI at ASU community. Out of these signature efforts, the first annual OLLI at ASU Anthology will be launched this fall! For more information about our launch party in November, see page 34. Also, our heralded third annual OLLI at ASU Scholars Event, a potpourri of scholarly topics presented by OLLI at ASU members for your education and pleasure, will once again take place at the Tempe Public Library at the end of the semester. Stay tuned!

OLLI at ASU is growing phenomenally; our cherished members support us phenomenally. In addition to the magnificent ways in which OLLI at ASU members have stepped up to volunteer (for special events, classroom hosting, marketing, planning, and fundraising), your generous financial gifts last year—an impressive total of $37,198!—are being targeted to greatly expand our fall class offerings. We don’t know how to thank you enough!

Importantly, we are proud to announce that the family of our treasured OLLI at ASU member, Skip Schnierow, has chosen to honor and remember Skip’s many contributions and friendships within OLLI at ASU. The family, through Skip’s personal bequest, has supported us in creating the OLLI at ASU Skip Schnierow Class Series, being launched this fall.

We are also deeply grateful to the CDH Charitable Foundation, for a most generous $50,000 gift to support the development of intergenerational programming in the OLLI at ASU community! This gift is a direct result of the proactive work of Patrick Cantelme and Dr. Cathy Eden, who worked on your behalf to connect us to this fine philanthropic organization. Please thank them when you see them!

Thank you, as always, for being part of OLLI at ASU. We cannot wait to see you in classes soon!

Richard C. Knopf, PhD, Director
Osher Lifelong Learning Institute at ASU
We gratefully acknowledge the contributions made between July 1, 2017 and June 30, 2018.

A Guin
Alispa Cain
Andrea Umlas
Angela De La Cruz
Anne Owens
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Arthur Lubin & Timothea Torello
Barbara Orr
Barry & George-Ann Silverman
Barry & Helaine Markowitz
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John Johnson
John Slovisky
Jolene Gosling
Joyce Keller
Judith Conrad
Judith McBee
Judith Muller
Judith Novak
Judy Hawkins
Karen Mackenzie
Karla Burkhart
Katherine Swartz
Kathleen Church
Kathleen Padula
Katrina & Tyler Kokjohn
Kerry & Elaine Wangberg
Kimberly Barnes-Blumberg
Larry Conway
Lauri Saffon
Leif Christensen
Lenore Holland
Lew & Roseann Fox
Linda Hirshman
Lois Sutton
Lynneve Sturm
Manley Perkel
Manuel Leifer
Marcia Colliat
Marcia Colpas
Marcia Juszkiewicz
Marcia Whiteside
Marie Chesley
Mark & Ellen Oland
Mark Spector
Martha Freeman
Martha McLane
Martin & M J Whalen
Mary Ezell
Mary Horton
Mary Mancuso
Mary Marcho
Matt & Jo Ann Madonan
Matthew & Mary Palenica
Melissa & Ted Lagreid
Merle Bianchi
Michael Morris
Muriel Weithorn
Myrna Levine
Myron & Jane Picoul
Nan Jeannerro
Nancy Fagan
Nancy Foster
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Pam Burke
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Paul Kent
Paula Ashley
Paula Powell
Pearl Aikens
Peggy Cohen
Penny Boone
Peter & Judith Brandeis
Phil Blake
Philip & Betty Leavitt
Philip & Carolyn Robbins
Ralie Lawrence
Ralph & Kathryn Flores
Ravi & Sherril Koopott
Reuben & Joan Hafer
Richard & Deborah Felder
Richard & Heather Marmor
Richard & Janet Knopf
Richard & Joan Davis
Richard Lasterstrom
Rita Hagel
Robin Spencer
Ronald & Meredith Sassano
Rosemary Kist
Rosina Lim
Ruth Roman
Ruth Ann Myers
Sally Buxton
Sally Underwood
Sam & Kelly Pignato
Samuel Haberman
Sandra Rankin
Sarah Romero
Shelly Gordon
Shirley Lowman
Skip & Marge Schnierow
Stephen Bartlett
Steve & Sydney Holtan
Steve Albert
Susan Mitnick
Susann Ruttenberg
Sydell Ukeiley
Thomas & Mary Anne Reyman
Thomas & Sara Turner
Thomas Stabler
Valerie Vivian
Walter & Karen Nielsen
Wendy Hultsman
William & Lori Scherwenka
William & Mary Grady
William & Nancy Wolter
William & Sheryl Sharp
William Fairbourn
Zale & Judy Asbell

We are deeply grateful to the **CDH Charitable Foundation** for a most generous $50,000 gift to support the development of intergenerational programming in the OLLI at ASU community!
Perseverance and Performance

Join Ballet Arizona to learn how hard work and determination shape the creation of high-quality dance in Arizona.

PART I
Perseverance: The Essence of Ballet
Wednesday, Sept. 19, 2018
10:30 a.m.
Ballet Arizona Studios | 2835 E. Washington St.

Join us for a look behind the seemingly perfect world of a ballet dancer. See the latest evolution of this 400-year-old art form and witness the sweat, joy, and frustration of the in-studio rehearsal. Afterward, engage in discussion with our education and outreach manager and one of our professional dancers or artists. Please plan to arrive at the studios at 10:00 a.m. to allow ample time for preparations and seating.

PART II
Performance: When Work Becomes Art
Presenting “New Moves”
Saturday, Sept. 29, 2018
Curtain at 2:00 p.m.
Orpheum Theatre | 203 W. Adams St.

Reconnect with our dancers a week later and see the fruits of their perseverance and determination when they perform live at Orpheum Theatre in Downtown Phoenix. Watch as Ballet Arizona presents “New Moves,” a triple bill that features our classical talents in a more contemporary approach. Post-performance, join us for a chat with one of our artists and a brief backstage tour of the theatre. Please plan to arrive at the theatre at 1:30 p.m. to allow ample time for preparations and seating.

DEADLINE TO REGISTER: Monday, September 10, 2018
Instructor: Alexandra Papazian
Series Cost: $65 includes Part I and Part II, and OLLI at ASU member’s theater ticket. Tickets are non-exchangeable and are valid for this performance only. No refunds.
Eligibility: Exclusively for OLLI at ASU members, ages 50+
Capacity: Limited to 50 OLLI at ASU members
Register: Online at lifelonglearning.asu.edu/registration or call OLLI at ASU at 602.543.6440. Register early, as seats fill quickly.
Inspired by Romeo and Juliet, Stephen Sondheim and Leonard Bernstein’s three-time Tony® Award-winning musical comes to life onstage as it reimagines Shakespeare’s tragedy as a battle for supremacy on the streets of 1950s New York, between rival street gangs the Jets and the Sharks. When Tony falls for Maria, it seems like love could conquer all…until their rival gangs go to war. Will they risk it all to be together? The score includes one classic after another, including “America,” “Maria,” “I Feel Pretty,” and “Somewhere.”

PART I
Pre-Show: “Toby’s Talk”
Sunday, Oct. 14, 2018
11:30 a.m.
Mezzanine at Phoenix Theatre

Toby Yatso (ASU musical theatre faculty and Phoenix Theatre artist-in-residence) will lead you through a discovery and discussion of the musical and dramatic features of West Side Story that make the beloved musical both a product of its time and a masterpiece that has stood the test of time for several generations.

Enjoy lunch (on you) between the pre-show talk and the show! The Artbar Bistro, located in Phoenix Theatre, opens at 12:30 p.m.

PART II
The Production of West Side Story
Sunday, Oct. 14, 2018
Curtain at 2:00 p.m.
Mainstage Theatre at Phoenix Theatre

See the full theatre production of West Side Story.
**Arizona Opera Center**

**Location:** 1636 N. Central Ave.  
(Education Room) Phoenix 85004

**001 | Arizona Opera Previews**

Instructors: Arizona Opera experts  
Free  
3 sessions: Mondays, Sept. 17, Oct. 29, Jan. 14  
11:30 a.m. – 12:30 p.m.

Osher members are invited to the Arizona Opera Center to preview and learn about upcoming operas: “Maria de Buenos Aires” (Sept. 17), “Charlie Parker’s Yardbird” (Oct. 29), and “La Traviata” (Jan. 14).

Register for individual sessions: one, two, or all.

**Deer Valley Petroglyph Preserve**

**Location:** 3711 W. Deer Valley Rd., Glendale 85308

**008 | Cities and Empires in Ancient Mesoamerica**

Instructors: Dr. Michael E. Smith,  
Dr. Angela Huster, Adrian Chase  
Cost $36  
3 sessions: Wednesdays, Oct. 10, 17, 24  
1:00 – 2:30 p.m.

What do we really know about the people of ancient Mesoamerica? How did the Mayans and Aztecs live thousands of years ago, and how was it different from our life today? In this series we’ll explore the archaeological research being conducted in some of the most fascinating cities of the prehistoric world. We’ll examine the art and archaeology of the city of Teotihuacan, explore life as a commoner in the Aztec empire, and investigate urbanism of the Mayan city in Caracala, Belize. Students will have the chance to ask questions of the archaeologists currently conducting research at these sites and view artifacts from previous excavations.

**Filmbar**

**Location:** 815 N. 2nd St., Phoenix 85004

**009 | “The Great Silence”**

Instructor: Dr. Mathew Sandoval  
Cost $12  
1 session: Wednesday, Oct. 17  
11:00 a.m. – 1:30 p.m.

The pinnacle of the spaghetti western canon, “Django” director Sergio Corbucci’s crowning achievement stars Klaus Kinski (“Aguirre,” “The Wrath of God”) and Jean-Louis Trintignant (“Amour”) as a vicious bounty hunter and a mute gunslinger who lock horns in the snowy mountains of Utah during the Great Blizzard of 1899. “Even 50 years later, The Great Silence stands majestically as both a blistering comment about its era and a creatively revisionist genre piece...the restoration is so crisp, the production looks like it was finished yesterday.” - Film Journal International.

**010 | “Fanny and Alexander”**

Instructor: Matthew Robinson  
Cost $12  
1 session: Wednesday, Nov. 14  
10:00 a.m. – 12:30 p.m.

Through the eyes of ten-year-old Alexander, we witness the delights and conflicts of the Ekdahl family, a sprawling bourgeois clan in turn-of-the-20th-century Sweden. Director Ingmar Bergman intended “Fanny and Alexander” as his swan song, and it is the legendary director’s warmest and most autobiographical film, a four-time Academy Award–winning triumph that combines his trademark melancholy and emotional intensity with immense joy and sensuality.

Join these intimate screenings for a unique experience that includes a before-film discussion and post-film question-and-answer session.
The American West seems grandly conceived and easily explained: this is the place of popular myth and national symbol. However, the historical interpretation of this area is far more complex. In popular culture, images of the frontier are carefully constructed to shape our perceptions of the region and those who sought to traverse western territory. Early impressions of the era find voice in literature and art, and later, film, providing a rich opportunity to explore how depictions of this brief but influential period contribute to a national sense of consciousness, allowing for a deeper understanding of the American experience.

Rembrandt painted and etched during the Golden Age of Dutch art. Today, he is viewed as a great master of painting. In addition to learning about his paintings, you will also discover why he made etchings and what he etched. Rembrandt’s life and art will be discussed in great detail, including his many high and low points. You will also discover why this small country had so many professional artists and why it was considered the Golden Age of Dutch art.

Do you want to know everything there is to know about architecture? You won’t find it here! However, you will hear a jam-packed two-hour overview of buildings from prehistoric to Blobitecture until we run out of time. You will see examples and learn the characteristics of many styles and periods of architecture.

Professor Pagán will share recent studies on little-known, but significant, moments in Arizona history. One moment is Linda Gordon’s “The Great Arizona Orphan Abduction,” which tells the story of the clash between religions, cultures, and races in Clifton, when Irish-Catholic orphans from New York City were placed with Mexican-Catholic families. Another moment is described in Karl Jacoby’s “Shadows at Dawn,” which looks at the tensions behind the massacre of Apache Indians at Camp Grant, near Tucson, by a militia of Mexican settlers, American settlers, and their Tohono O’odham allies.

She came from what should have been a privileged background, but Eleanor Roosevelt experienced heartache and tragedy at a young age that tempered her response to life. What did she encounter with her parents and her husband, and how did that affect her life decisions? Come trace her journey from a very shy introvert to a champion of causes and a voice for the underrepresented to the world.
Falls are a leading cause of injury in older adults, and also carry a significant financial impact within our healthcare system. Likewise, the likelihood of hearing loss increases as we age. This class will discuss how our body maintains balance, the role that the inner ear plays, and how the auditory system functions and interacts with balance. Rehabilitative strategies for hearing and balance will also be discussed. Visitor parking rates apply for this free session.

During WWII, individuals of Japanese descent were forcibly removed from their homes along the West Coast to a series of incarceration centers. This lecture will present a range of methods used by historical archaeologists to look at how Japanese Americans created new communities within incarceration centers. Using archival and archaeological data, we can understand how internees mitigated their incarceration through the development of social activities, clubs, and modifications to the physical environment. We will also discuss why the archaeology of diverse experiences can change our understandings of the past.

Join with an imam, a reverend, and a rabbi in three discussions about Abraham (Oct. 1), Moses (Oct. 8), and prophetic visions of the world that might be (Oct. 15). This will be an experience like no other as we discover common ground within three world religions! Dr. Ahmad Shqeirat, Senior Imam and Outreach Director of the Islamic Community Center of Tempe will join with Rabbi Sheldon Moss from Temple Beth Shalom of the North West Valley and Reverend Matthew Knopf, the pastor at La Casa de Cristo Lutheran Church.

This class discusses Marco Polo's 24 year journey through Asia, his place in medieval European exploration, and his impact on Western history. We will examine maps, manuscript illuminations, and other materials to establish the historical context of Polo's extraordinary travels. Our subjects will include medieval European geography, the Europeans who traveled East before Polo, the Silk Road, the Mongols, and the Crusades.

Our society is becoming increasingly vulnerable to the effects of extreme space weather. Solar flares and mass ejections cause disturbances in Earth's atmosphere and magnetosphere that can lead to large-scale collapse of the electrical grid and damage to the GPS and communication satellite systems. Internet and cell phone communications may be out for weeks or months. The instructor will review our present situation.

Come experience writing about place and personal narratives as they relate to contemporary, diverse, literary travel writing. You will engage in close readings of contemporary, place-based memoirs and literature of travel to understand how to meld personal narratives and travel writing. Exercises will focus on writing craft, memory, writing about the self, senses, place, invention, imagination, journaling, close reading, and travel writing issues, including but not limited to: avoiding cultural stereotypes and clichés, approaching a place with a traveler's perspective, and the “how-to’s” of showing versus telling the traveler's story.

Did they get it right or wrong? Who flopped? This class will explore and discuss the scientific and not-so-scientific reasons behind some of history's famous “fails” in the forensic sciences.
Exploring Applied Ethics

018 | Cloning: Science, Challenges, and Morality
Instructor: Dr. Bertha Manninen  Cost $12
1 session: Monday, Oct. 22
10:00 – 11:30 a.m. | Sands Bldg. Classroom

The majority of the public’s views about the morality of cloning come from popular culture – in particular, science fiction movies and TV shows that teach us that clones are nothing more than soulless copies of their predecessors with little uniqueness, and therefore, little dignity. Politicians have often argued that cloning for the purposes of reproduction should be prohibited because it is an affront to human dignity. But why do we think this? In this class, we will go over the science behind cloning, explore issues relating to cloning and identity, and go over some moral arguments both in favor and against human cloning.

019 | Universal Healthcare
Instructor: Dr. Bertha Manninen  Cost $12
1 session: Monday, Oct. 29
10:00 – 11:30 a.m. | Sands Bldg. Classroom

Medical expenses remain the number one cause of bankruptcy in America. The United States is one of three developed countries without universal healthcare. This class will explore both arguments in favor and against expanding universal healthcare in the United States, as well as provide a brief glimpse into the healthcare practices of other industrialized capitalistic countries to see how they manage to accomplish providing all their citizens with healthcare.

021 | Human vs. Person
Instructor: Dr. Bertha Manninen  Cost $12
1 session: Monday, Nov. 5
10:00 – 11:30 a.m. | Sands Bldg. Classroom

Philosophers have often drawn a distinction between “humans” and “persons.” The former is a biological category, while the latter is a moral category. A “person,” in a philosophical sense, is taken to be an individual with the capacity for self-consciousness, self-awareness, language, and self-narrative. By this definition, there are many human beings who are not persons (infants or someone with very advanced dementia) whereas there are nonhumans who are persons (primates). Is this distinction a legitimate one? This class will go over practical applications of these distinctions for biomedical issues such as abortion, euthanasia, and end-of-life care.

020 | Fighting Injustice: Lessons Learned in Defending a Suspected Terrorist in Guantanamo
Instructor: Howard Cabot  Cost $12
1 session: Monday, Oct. 29
1:00 – 2:30 p.m. | Sands Bldg. Classroom

A man was born in the 1960s; his life was untouched by modernity – goatherds, nomads, and farmers carried on as they had for a thousand years. Poor, illiterate, orphaned, and increasingly religious, Noor Uthman Muhammed sought a way out of the bleakness of his life by joining a small arms training camp called Khalden near the Afghanistan border. When the camp closed in 2000, the unlucky man encountered the U.S. and became subject to the full might and most consequential power of America. His life was changed forever, where he was hauled off to the Guantanamo Bay detention camp for nine years, finally being charged with U.S. war crimes. Asked by the U.S. government to represent this man, Mr. Cabot will share his experiences defending Mr. Muhammed before the U.S. Military Commission, fighting to uphold justice and the due process of law.

022 | La Rafle Vél d’Hiv: The Roundup of France
Instructor: Jeralynn Benoit  Free
1 session: Monday, Nov. 19
10:00 – 11:30 a.m. | Sands Bldg. Classroom

The Vélodrome d’Hiver (or “Vél d’Hiv”) roundup was the largest French deportation of Jews during the Holocaust. It took place in Paris July 16-17, 1942. After the French surrendered to Germany in June 1940, the Vichy regime (officially known as the French State) replaced the French Third Republic. Led by World War I hero Philippe Pétain, the Vichy regime collaborated actively with the Nazi regime and facilitated the deportation of Jews in France. Come find out the significance of the Vél d’Hiv roundup on the collective consciousness of the French people. Visitor parking rates apply for this free session.

023 | The Diné: Tradition, Beliefs, and Lifestyle
Instructor: Dr. Lou-ellen Finter, Professor Emerita  Cost $24
2 sessions: Mondays, Nov. 19, 26
1:00 – 2:30 p.m. | Sands Bldg. Classroom

We will look into the Athabascan-speaking people from the North, their arrival into the Southwest, and their influence on the land. We will examine the cultural aspects of the Navajo people through their beliefs, traditions, and lifestyle. Dr. Finter will also cover some of their famous sites, such as Canyon de Chelly.

024 | Collateral Damage: The Consequences of Incarceration
Instructor: Amanda Lindsay  Cost $12
1 session: Monday, Nov. 26
10:00 – 11:30 a.m. | Sands Bldg. Classroom

The benefits and harmful consequences of incarceration have long been discussed. One component that is often unexamined is the impact that incarceration has on children with imprisoned parents. Additionally, those caring for children of incarcerated parents also experience their own trials and tribulations as they try to account for the new change in familial structure. This class will examine ways in which imprisonment affects caregivers, children, and families.
025 | Introduction to iPhones
Instructor: Dr. Keith Rieger  Cost $48
4 sessions (2 sessions on the same day): Mondays, Dec. 3, 10
10:00 – 11:30 a.m., 11:45 – 1:15 p.m. | Sands Bldg. Classroom

Do you want to learn more about iPhones and how to use them more efficiently, effectively, and economically without losing your sanity? Join us for two all-day seminars, where you will receive hands-on instruction to practice using the physical features, understanding selection basics, and determining optimal settings for you. We will review the standard apps, while demonstrating and practicing their common uses. Dr. Rieger will also share lots of tips and tricks, and list the top 20 apps he recommends. Please bring your iPhone to class; we recommend packing your lunch to accommodate the short break.

026 | The Chemistry of You
Instructor: Dr. Kirstin Hendrickson  Cost $48
4 sessions: Tuesdays, Sept. 25, Oct. 2, 16, 23 (no class Oct. 9)
10:00 – 11:30 a.m. | Sands Bldg. Classroom

Come explore the chemistry that takes place inside your body. Forget smelling formalin as you crouched over a fetal pig in high school biology, forget the mind-numbing memorization of cellular structures and functions: the chemistry of the human body is a trip down the rabbit hole to Wonderland, more beautiful and amazing than you could ever have imagined. As we study muscle contractions, hormones, the chemistry of pain, the information we get from the way other people smell, and more, you will gain a new appreciation for the awesome machine you walk around in, delivered in Dr. Hendrickson's characteristic “often irreverent, always relevant, oh-so-much-fun” style.

027 | Women of the American West
Instructor: Michelle Martin  Cost $12
1 session: Tuesday, Sept. 25
1:00 – 2:30 p.m. | Sands Bldg. Classroom

This class will take participants on a journey into the lives of women in the American West in the 19th century. From missionaries, army laundresses, officer's wives, pioneering homesteaders, and some wild and wicked women, this class shares the lives of the women who helped shape the West by bringing a touch of home with them wherever they traveled. Using women's diaries, letters, journals, and other first-person accounts, Martin helps bring these women, many relatively unknown, to life for a new generation.

028 | The House of Tudor: Who Were They and Why Are We Still Fascinated?
Instructor: Ken Sorensen  Cost $24
2 sessions: Tuesdays, Oct. 2, 9
1:00 – 2:30 p.m. | Sands Bldg. Classroom

At the Battle of Bosworth Field, Henry VII defeated a very unpopular king (Richard III) and the House of Tudor was born. The story of Henry VIII and his six wives still causes debate and fascination. The second session will cover the story of the six wives and their three children and those children's impact on their world: Edward VI's prayer book, Mary's phantom pregnancy, and Elizabeth's famous speech before the defeat of the Spanish Armada shows the mentality of the Elizabethan age.

029 | Southwest Shakespeare Company Presents: William Shakespeare and His Play “Pericles”
Instructor: Ken Sorensen  Free
1 session: Tuesday, Oct. 9
10:00 – 11:30 a.m. | Sands Bldg. Classroom

The greatest playwright lived 400 years ago, and when he died in 1616, the world suffered. Come and relive Shakespeare’s life and times and see what he was about. One of his later plays was “Pericles.” Find out about the story, the inspiration, and the impact. Hear from an actor about the power of the love of a father in trying to find his missing daughter. How does this play figure into Shakespeare’s pantheon? Visitor parking rates apply for this free session.

030 | The Future of Sustainability
Instructor: Dr. Majia Nadesan  Cost $12
1 session: Tuesday, Oct. 16
1:00 – 2:30 p.m. | Sands Bldg. Classroom

This short class interrogates the idea and practice of sustainability as they pertain to individuals and societies. Participants will be introduced to academic and layperson understandings of sustainability across different social terrains, ranging from sustainable modes of social organization to sustainable energy and food production. Dr. Nadesan will present risk assessment strategies for evaluating sustainability, such as full supply-chain analysis, and will address cultural and political challenges to achieving sustainability. Students will leave with a fuller understanding of sustainability, including a crystallization of what the idea and practice means in their own lives.

031 | Exercise and Flexibility to Enhance Sleep: Scientific and Practical Solutions
Instructor: Dr. Jonathan Kurka  Cost $12
1 session: Tuesday, Oct. 30
10:00 – 11:30 a.m. | Sands Bldg. Classroom

This discussion will take an evidence-based approach on the current state of sleep in the Osher-aged population and expand on it through the use of basic exercise and flexibility movements shown to enhance sleep. Scientific articles will be discussed followed by lively discussions on how to use this information for practical purposes in this population.

032 | Curry and Kreplach: A Look at Twelve Unique Jewish Communities Around the World
Instructor: Dan Fellner  Cost $24
2 sessions: Tuesdays, Nov. 6, 13
10:30 a.m. – noon | Sands Bldg. Classroom

Take a virtual journey to interesting, off-the-beaten path Jewish communities on four different continents. From India's historic Bene Israel community to Alaska's tight-knit “Frozen Chosen,” to Ecuador's opulent JCC located just miles from the center of the world, to Myanmar's miraculous Musmeah Yeshua Synagogue in Yangon, this class will explore the survival and resilience of Jewish life in places you might least expect to find it. Dan Fellner is a six-time Fulbright Fellow and travel writer who has written about unique Jewish communities in such places as Thailand, Serbia, Japan, Barbados, Malta, Vietnam, Greece and Ukraine.
**Macbeth: Imagination, Introspection, and Obsession**

Instructor: Dr. Marsha Fazio  
Cost $60  
5 sessions: Tuesdays, Nov. 6, 13, 27, Dec. 4, 11 (no class Nov. 20)  
1:30 – 3:00 p.m. | Sands Bldg. Classroom

One of William Shakespeare’s greatest tragedies, “Macbeth,” is the drama of a loving couple’s descent into hell. In this masterful poetic exploration of evil, the great bard compels us to consider timeless human questions of gender, politics, and family relations as he takes us deep into the consciousness of a killer. Set against a dark, foreboding background, rife with thunder, lightning flashes and witches’ incantations, this masterpiece grips us from the opening scenes until the very end of Macbeth’s “charmed life.”

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**Life and Death in Romantic-Era Women’s Writing**

Instructor: Dr. Annika Mann  
Cost $12  
1 session: Tuesday, Nov. 20  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

This lecture will investigate beliefs in the value of poetry during the Romantic period by exploring depictions of health and disease in poems by Anna Laetitia Barbauld and Charlotte Smith. While the works of their male contemporaries William Wordsworth and Samuel Taylor Coleridge asserted that poems are valuable because they act curatively upon their readers (stimulating beneficial physio- affective motions), poems by Barbauld and Smith instead ruminated on states of ill health incurable by verse. Exploring their depictions of these states, this lecture will investigate how these depictions might proffer a different value for poetry during the Romantic period, and today.

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**Bang on the Drum All Day: Rhythmic Cognitive Restructuring**

Instructor: Dr. Cynthia Glidden-Tracey  
Cost $24  
2 sessions: Tuesdays, Nov. 27, Dec. 4  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

Dr. Glidden-Tracey will present methods, using insights from explorations of psychology and cultural variations in musical expression, that combine cognitive restructuring with rhythmic reinforcement with hopes of strengthening people’s memories and motivations to use the positive messages they learn to replace negative self-talk. Learn techniques for enhancing well-being, addressing conflicts, and improving learning, communication, and motivation to change. Discover how to regulate your own emotions and thoughts and to manage stress using rhythmic cognitive restructuring. When you’re on the brink, you can change the way you think, and put it to a beat!

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**The Power of Gratitude**

Instructor: Amber Wonder  
Cost $12  
1 session: Tuesday, Dec. 11  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

When we engage our instinctive sense of gratitude, we are able to more fully savor and appreciate life. Numerous studies have supported practicing gratitude as a way to increase both our emotional and physical well-being. In this class, we will explore the topic of gratitude and participate in activities focused on claiming a greater sense of appreciation, connection, and resilience in our lives.

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**Healthy Air Travel: Physical Fitness on the Fly!**

Instructor: Dr. Christopher Berger  
Cost $12  
1 session: Wednesday, Sept. 26  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

The purpose of this class is to orient attendees to the subject of healthy air travel. Topics will include jet lag, aircraft cabin air quality, medical emergencies, and the fear of flying. Your next airplane trip will be the best ever once you learn how to book a healthier flight! Lose your jet stress and expand your horizons in this class, taught by a student pilot with over half a million miles of passenger flight time across three continents.

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**Polarization in American Political History: The Presidency of Andrew Jackson**

Instructor: Jay Roth  
Cost $24  
2 sessions: Wednesdays, Sept. 26, Oct. 3  
1:00 – 2:30 p.m. | Sands Bldg. Classroom

In 1828, Andrew Jackson became our seventh president, and served two terms. A strong believer in states’ rights and a small and limited federal government, Jackson’s policies and actions created a deep, angry divide with those committed to Henry Clay’s perception of government and the concept of the “American System.” We will explore his presidency and the polarization it created, with Jackson becoming the first president to be censured by the U.S. Senate. Polarization has been part of our history from the beginning, and we will explore key moments when the degree of partisanship became so divisive that it threatened the very fabric of the republic.

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**Innovations in Music History**

Instructor: Dr. Guy Whately  
Cost $24  
2 sessions: Wednesdays, Oct. 3, 10  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

This class will look at innovations that have transformed the history and landscape of music. From the invention of music notation to recording technology, and from the creation of the violin to the use of electricity in music, this class will explore the endless ways that people and cultures have become innovators to make music more dynamic and expressive.

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**Paris, 1900-1930: The Epicenter of a Creative Revolution**

Instructor: Stephen Crosby  
Cost $24  
2 sessions: Wednesdays, Oct. 17, 24  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

This lecture series chronicles ground-breaking collaborations of composers, choreographers, artists, set and costume designers, dancers, and musicians. Masterpieces and failures, scandals and comedic fluff, personal tribulations, and triumphs paint a picture of Paris and its artistic experimentation when it was the center of the creative world.
041 | **How Modern Art Started: Post-Impressionism**  
Instructor: Dr. Deborah Robin  
Cost $24  
2 sessions: Wednesdays, Oct. 17, 24  
1:00 – 2:30 p.m. | Sands Bldg. Classroom

The radical way Impressionist painters portrayed their subjects greatly influenced the next generation of artists in France. Known as the Post-Impressionists, these individuals did not form a unified art movement because each one had a different style. Seurat and Cezanne took a formal, almost scientific approach to painting, while Gauguin and Van Gogh expressed emotions through color and light. We’ll look at how these Post-Impressionists portrayed the world and at the same time revealed what was in their souls. After examining the best-known works of these late 19th century artists, you will have a better understanding why their art sells for millions.

042 | **The Science of Photography**  
Instructor: Dr. Scott Lefler  
Cost $24  
2 sessions: Wednesdays, Oct. 31, Nov. 7  
10:00 – 11:30 a.m. | Sands Bldg. Classroom

Have you ever looked at a landscape, then seen a professional photograph of the same scene, and wondered how the two were so different? What do photographers see that you don’t? Getting the image you want with a camera is often an elusive task, and in this class, you will learn how to compose an image. We’ll begin by learning to ask questions about composition such as how to position the camera to best capture the available elements. We’ll address light and equipment limitations. We will look at and critically evaluate images from the instructor’s portfolio, followed by the instructor and class evaluating portfolio pieces from willing students.

043 | **Collecting Bling: Fabulous Jewels and the Women Who Wore Them**  
Instructor: Janet Krulick-Belin  
Cost $12  
1 session: Wednesday, Oct. 31  
1:00 – 2:30 p.m. | Sands Bldg. Classroom

As the saying goes, “a thing of beauty is a joy forever,” and the desire to adorn one’s self with beautiful things is as old as humankind. A magnificent jewel provides the perfect complement to the fashion of the day, but more importantly, reflects the owner’s taste, wealth, and status. This lecture will examine some of the great jewelry collections belonging to royals, aristocrats, divas, socialites, and Hollywood stars, from the famous to the infamous. How has the fame of the owner influenced market price? We will also explore things you need to know about your own jewelry collection, including its documentation and care. Come wearing a favorite piece from your collection!

044 | **Cacti and Cacti Flowers with Watercolor**  
Instructor: Allen Reamer  
Cost $48  
4 sessions: Wednesdays, Nov. 14, 28, Dec. 5, 12 (no class Nov. 21)  
10:00 a.m. – noon | Sands Bldg. Classroom

Cacti and cactus flowers are as beautiful and varied as the Southwest landscapes where they thrive. Beginners and experienced artists will be able to produce beautiful and colorful watercolors using information, skills, and techniques learned in this class. We will spend the first part of the class going over terms and learning specific drawing and painting skills. If you wish, you will be helped one-on-one; questions are always welcome. **Note:** If you are familiar with oil paints, acrylics, gouache, or ink and watercolor, you may use these mediums, too. A supply list will be emailed before the first class.

045 | **Learning to Look at Paintings**  
Instructor: Allen Reamer  
Cost $48  
4 sessions: Wednesdays, Nov. 14, 28, Dec. 5, 12 (no class Nov. 21)  
1:00 – 2:30 p.m. | Sands Bldg. Classroom

Did you ever look at a painting and wonder if there is more there than you see? There are specific ways to view a painting that will increase your enjoyment and understanding of it, whether the painting is realistic or abstract. We will cover some of these ways of looking at a painting. This is a very interactive class; both you and the class as a whole will participate in viewing a large variety of paintings. Come improve your artistic eye!

046 | **Listening to Billie Holiday**  
Instructor: Dr. Tracy Fessenden  
Cost $12  
1 session: Wednesday, Dec. 5  
10:30 a.m. – noon | Sands Bldg. Classroom

The distinctive, melancholy voice, the floral-accented hair, the lore of a life marked by lows, highs, and lows again... Hearing the name “Billie Holiday” quickly conjures the personification of a jazz singer. But what about religion? What were the spiritual drivers behind the singer’s songs, struggles, and successes? It’s not a theme readily connected to Billie Holiday, but Dr. Fessenden believes religion shaped the woman her fans and friends called “Lady Day.” In this class, we will explore the impactful but understated connection between religion and Holiday.

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**ASU West campus**  
4701 W. Thunderbird Rd.  
Glendale, AZ 85306  
602.543.6440

Sally Underwood, Coordinator  
Email: sally.underwood@asu.edu  
Website: lifelonglearning.asu.edu/west

All classes are held at the ASU West campus, unless otherwise noted. Room locations will be emailed to you prior to the class start date.

**Parking**  
Due to a “pay-by-plate” parking system at the ASU West campus, all visitors are required to pay for their parking upon arrival in Lot 12 North Zone. To use the parking system, park your car in any open space in Lot 12 North Zone and walk to a parking kiosk. Press the keypad to activate the screen, enter your license plate number, select “purchase ticket,” select the number of hours you will be on campus, select that you do not have a parking code, and use a MasterCard or Visa. **CASH IS NO LONGER ACCEPTED IN THE KIOSKS.** To offset parking costs, at the time of registration for classes at ASU West campus, class fees will reflect $3 off per class session.

**Registration**  
Register online at lifelonglearning.asu.edu/registration and pay with a credit card, or call the office at 602.543.6440. Registration is required for all offerings and free events.
Wednesday

**047 | Your Brain on Art**  
Instructor: Dr. Jay Braun, Professor Emeritus  
Cost $36  
3 sessions: Wednesdays, Sept. 12, 26, Oct. 3 (no class Sept. 19)  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Artists make vivid use of the way the brain processes information without actually having any idea what is going on "up there." Neuroscience may look at artistic products and wonder what the secret is behind the artistic expression. What is behind the impression of depth in a two-dimensional drawing? What allowed Seurat to create an entire palette of color from little dots of red, green, and blue? What accounts for the uncanny ability of Picasso to portray specific individuals and ideas with so few lines and contours? These and other questions addressing the unspoken collaboration between art and neuroscience will be illuminated.

**048 | The Keys to Success Through Conflict Resolution**  
Instructor: Art Hinshaw  
Cost $12  
1 session: Wednesday, Sept. 12  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Conflict is a part of life, no matter what it is we do. This seminar will outline time-tested elements of conflict resolution theory, skills, and strategies that work in a variety of settings and contexts.

**049 | The OLLI at ASU Creative Writing Anthology (Part 3): Layout and Copyediting**  
Instructor: Dr. Rosemarie Dombrowski  
Cost $36  
3 sessions: Wednesdays, Sept. 12, 26, Oct. 3 (no class Sept. 19)  
12:30 – 2:00 p.m. | Mercado, Bldg. C, Classroom

This class is part of a series of classes that engages students in the editorial process — specifically, the steps involved in producing a collection of creative work (both written and visual) for publication. The inaugural OLLI at ASU Anthology is due out in November 2018, and this phase of the editorial process will involve ordering the pieces selected for inclusion, making design decisions, and doing final copyediting and proofing of the written pieces. Note: Please see page 34 for details about the OLLI at ASU Anthology launch party.

**050 | Early Modern Art: The “-ism’s”**  
Instructor: Dr. Deborah Robin  
Cost $36  
3 sessions: Wednesdays, Sept. 26, Oct. 3, 10  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

We will explore important artists and art movements of Modernism from the first half of the 20th century in Europe and America. Modern art reflects some of the drastic changes that occurred in society such as war, science, politics, economics, and industrialization. As artists were influenced by or reacted against these factors they created a series of “-ism’s”: Cubism, Surrealism, Futurism, Fauvism, Expressionism, Abstract Expressionism. Looking at the great works of the visual artists who participated in these movements, you will see how each one, however bizarre, fits into the big picture and you will walk away understanding what each intended to do.

**051 | E.T.: Where Art Thou?**  
Instructor: Dr. Per Aannestad, Professor Emeritus  
Cost $12  
1 session: Wednesday, Oct. 17  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Are we alone in the universe? The recent discoveries of thousands of planets have put new focus on that age-old question. Does extra-terrestrial intelligence exist, and how and where can we find it? We will discuss these questions in the context of our own galaxy of 100 billion stars, emphasizing both our improved knowledge and the many still unknown factors.

**052 | “The Ten-Dollar Founding Father”: Alexander Hamilton’s World**  
Instructor: Dr. Pamela Stewart  
Cost $24  
2 sessions: Wednesdays, Oct. 24, 31  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Don’t throw away your shot! Discover how Hamilton “wrote his way out” from his early years in the 18th century Caribbean into significant roles in the American Revolution and a new nation. Get a glimpse of the real Schuyler sisters, including Eliza who made sure “A. Ham.” would not be forgotten. See how you might have responded to his impassioned love letters, brilliantly analytical treatises, and self-indulgent follies. This class introduces the scope of his short life and long significance, also sampling scenes and songs from Lin-Manuel Miranda’s “Hamilton: An American Musical,” a work of art to last the ages.

**053 | The Art of Storytelling: A Multi-Genre Creative Writing Class**  
Instructor: Dr. Rosemarie Dombrowski  
Cost $36  
3 sessions: Wednesdays, Oct. 24, 31, Nov. 7  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

In this class, students will be introduced to the fundamentals of both narrative poetry and flash memoir (brief, personal essays under 750 words). We will read and discuss examples in both genres, and we will workshop original poems and flashes produced in response to a take-home writing prompt.

"I believe lifelong learning is essential for a fulfilling life — and OLLI at ASU is the perfect vehicle to deliver it. The community of learners are passionate, enthusiastic, and engaged."  
— Dr. Deborah Robin  
OLLI at ASU instructor
Albert Camus, like existentialists before him, was troubled by the absence of a firm foundation on which to build moral values. As an atheist, Camus could not appeal to a divine source of moral values. As the protestors marched past the hoses, one exclaimed, “God Almighty done parted the Red Sea one more time!” King, who wasn’t present, declared that this march taught him the power of nonviolence.

Albert Camus, His Morals and Philosophies
Instructor: Dr. Brian Blanchard  Cost $36
3 sessions: Wednesdays, Nov. 28, Dec. 5, 12
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Albert Camus, like existentialists before him, was troubled by the absence of a firm foundation on which to build moral values. As an atheist, Camus could not appeal to a divine source of moral values; nevertheless, he is widely praised as a steadfast defender of human rights. He engaged in an existential meditation which he presented in philosophical essays, plays, short stories, and novels. We will examine Camus’s philosophical writings and consider how he further developed these ideas in his fictional works. With a critical appraisal of Camus’s meditative journey, we will gain crucial insight into how moral/political foundations can be established in fictional creation.

Nudity and Sexuality in Art
Instructor: Dr. Deborah Robin  Cost $36
3 sessions: Wednesdays, Nov. 28, Dec. 5, 12
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Historically, the Western world has held two contradictory attitudes about the naked human body. For ancient Greeks, the nude was celebrated for its physical beauty; while Judeo-Christian theology viewed nakedness as a symbol of guilt and shame. Starting in the 1960s with the rise of feminism and other social changes, attitudes about nudity and sexuality evolved. This is a chronological exploration of how artists have depicted sexuality and the human body—and how the historical and social context influenced their art. This class will explore intense topics and visuals that may be shocking or offending; please consider this before registering.

What is Jazz, and How Do I Listen to It?
Instructor: Dom Moio  Cost $48
4 sessions: Thursdays, Sept. 13, 20, 27, Oct. 4
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

What is jazz? Is it Louis Armstrong, Duke Ellington, Count Basie, Miles Davis, and John Coltrane? The answer is “all of the above.” In this series, we will listen to and explore all the different eras of jazz, and you will find the jazz era you most connect to. We will look at the ways the rhythms and the songs changed. Come take a look at the giants of this music genre, both instrumental and vocal, from the past to the present. We will also discuss the unique characteristics of jazz, including self-expression, improvisation, interpretation, collaboration between the musicians, and how it all comes together in a “gig.”

My Body, My Voice: The Art of Protest
Instructor: Anne Kotleba  Cost $36
3 sessions: Thursdays, Sept. 13, 20, 27
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Marches, strikes, and mass-demonstrations play a visible role in our democracy, but what is less obvious is that many of these movements are designed with artists at the heart. Art can transcend the barrier of language, using visuals to make facts more digestible. Artists help translate complex concepts into accessible ideas, making art a powerful tool during nonviolent direct action protest. This class will examine the foundational elements of understanding and creating social change. We will then explore types of protest art, focusing on examples such as flash mobs, die-ins, and other activists who hit the streets and used their bodies to make their voices heard.

Self Defense at Any Age
Instructor: Derrek Hofrichter  Cost $12
1 session: Thursday, Oct. 4
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Self defense expert Derrek Hofrichter will share safety tips and strategies while demonstrating what to do in the most common violent situations. He has been teaching the Israeli self defense system of Krav Maga for over a decade, and can show how you can take measures to protect yourself at any age or physical ability.

The Diversity and Abundance of Butterflies in the Sonoran Desert
Instructor: Dr. Ronald Rutowski, Professor Emeritus  Cost $24
2 sessions: Thursdays, Oct. 11, 18
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

This class will cover the basic biology of butterflies in the desert, and discuss how and why the abundance and diversity of butterflies changes from year to year and over longer time periods. Specific topics will include the unique characteristics of butterflies (their coloration, body structure, growth, behavior, and development), how they survive in the arid desert environment, and the diversity of species found in the local desert. We will talk about the techniques used to count butterflies in nature and what the results from local counts show. A goal for the class is to deepen your understanding of butterflies, and their future in the face of climate change.
**062 | Beyond Travel: Exploring Tourism as a Phenomenon Impacting Economies, Communities, and the Environment**  
Instructor: Dr. Claire McWilliams  
Cost $48  
4 sessions: Thursdays, Oct. 11, 18, 25, Nov. 1  
12:30 – 2:00 p.m. | Mercado, Bldg. C, Classroom

Do you love to travel? Are you curious about the impacts of tourism on the economies, culture, and the environment in the destinations you visit? Join Dr. McWilliams in a lively, interactive, conversational exploration (75% lecture, 25% discussion) of what happens "beyond travel" and peel back the layers of the complex and powerful phenomenon that is tourism.

**063 | Fundamentals of Drawing Light and Shadows**  
Instructor: Allen Reamer  
Cost $48  
4 sessions: Thursdays, Oct. 11, 18, 25, Nov. 1  
1:00 – 2:30 p.m. | Mercado, Bldg. C, Classroom

You can learn to draw beautiful, shaded objects with graphite and/or charcoal. Come learn how to produce highlights and shadows. You will learn how to make an object look round or flat, using methods of blending and through producing both sharp and soft edges. We will practice until all these techniques, and more, are mastered! How to draw, shade, and blend each object will be demonstrated. Time permitting, after learning how to draw, shade, and blend single objects, we will draw groups of objects. If you wish, individual help from the instructor is always available. A supply list will be emailed before the first class.

**064 | Dr. Hendrickson’s Science Potpourri**  
Instructor: Dr. Kirstin Hendrickson  
Cost $48  
4 sessions: Thursdays, Oct. 25, Nov. 1, 8, 15  
10:00 – 11:30 a.m. | Mercado, Bldg. C, Classroom

Do you have science-based questions that you’re dying to learn about? Join our popular science instructor, Dr. Hendrickson, to create a class based on student interests. There may be some physics, possibly some astronomy, almost certainly some chemistry, a little anatomy and physiology, perhaps some quantum physics or math theory...if it's science, it could show up! This class will begin with a discussion on genetic testing, and then will be filled with everything “left over” from other class discussions, alongside member suggestions. Registered students may submit suggestions using a survey provided after registration, through Sept. 25.

**065 | Out of the Blue: New Perspectives on Men’s Health**  
Instructor: Dr. Christopher Berger  
Cost $24  
2 sessions: Thursdays, Nov. 8, 15  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

The purpose of this class is to learn more about health issues affecting men across the lifespan. Topics will be considered with reference to male anatomy, nutrition, psychology, and physiology in an effort to teach men how to use science to live healthier lives. The following three themes are representative of the breadth of this course: characteristics of gender (why study health issues specific to males?), gender issues (is the brain a factor in male health?), and problems in male sexuality (what special challenges face men?). Women are welcome to enroll.

**066 | Science in Shakespeare’s World**  
Instructor: Dr. Kirstin Hendrickson  
Cost $12  
1 session: Thursday, Dec. 6  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Shakespeare lived during the scientific revolution, a time of advancement of scientific understanding. For the first time, academics were writing in English rather than Latin, which made these revolutionary discoveries available to the average educated individual, Shakespeare among them. From praise for Galileo hidden in “Cymbeline” to the possibility that one of his plays is written as an allegory for the move toward heliocentrism, Shakespeare’s writing is full of evidence of his scientific awareness. This class is designed for lovers of literature and science alike!

**067 | The Answers Lie in the Mountains (Part 2)**  
Instructor: Gregory Hansen  
Cost $24  
2 sessions: Thursdays, Dec. 6, 13  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Building off the popular “Answers Lie in the Mountains” class, the first session of this class offers a fresh perspective into the history and management of the Superstition Mountains as conveyed by a Forest Service wilderness staff officer who managed the area for over 14 years. The second session will delve into the fascinating histories and stewardship policies of our greatest National Parks such as Yellowstone, Yosemite, Mesa Verde, and the unparalleled Grand Canyon.

**Friday**

**068 | Feminism**  
Instructor: Dr. Mirna Lattouf  
Cost $24  
2 sessions on the same day: Fridays, Sept. 7  
1000 – 11:30 a.m., 12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

This is an introduction to feminism in the United States, examining critical historical developments from the Civil War to the present. The class will review the field through the lens of the developments of the four major waves of feminism.

**069 | Cyber Safety, Privacy, and You**  
Instructor: Brian Brehman  
Cost $24  
2 sessions: Fridays, Sept. 14, 21  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

The adage “if something is too good to be true, it probably is” has never been more appropriate than it is in the 21st century. From phishing, hacking, and spoofing to Nigerian princes, romance scams, and auction fraud, the Internet is a new frontier for criminal enterprise. In addition, with the rise of overzealous social media corporations and government-sponsored domestic spying programs, the average Internet user’s privacy has never been more in danger. This two-part presentation will discuss the most common cyber threats one would face, how to identify them, and what to do to avoid them to keep your virtual (and real) identities safe.
**Beyond Pink and Blue: An Intro to Gender Identity and the Transgender Experience**

Instructor: Decker Moss  
Cost $12  
1 session: Friday, Sept. 14  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

When many of us grew up, gender seemed simple: we were either girls or boys. Now, terms like “gender identity” have us questioning what we thought we knew, blurring the lines between pink and blue. Thanks to celebs like Caitlyn Jenner and Chaz Bono, almost everyone's heard of the “T” in LGBTQ. But what does “transgender” mean? Is gender more complicated than male and female? Why should it matter to you? In this class, we’ll talk gender, gender identity, and the transgender experience – from the basic terminology to complexities of transitioning. Bring an open mind and leave with an inclusive foundation of knowledge, perfect for navigating today's shifting gender landscape.

**Exploring the Masters of Jazz: Fusion**

Instructor: Dr. Jeffery Libman  
Cost $24  
2 sessions: Fridays, Sept. 28, Oct. 5 (please note date change!)  
9:45 – 11:15 a.m. | Mercado, Bldg. C, Classroom

ASU professor Dr. Jeffrey Libman will examine jazz rock fusion. This jazz sub-genre, emerging in the late 1960s, saw jazz musicians embracing electric instruments as well as funk and rock rhythmic styles. The class will consist primarily of guided discussion, active listening to exemplary recordings, and a question and answer session. No instruments required! Come learn about and listen to the music of Miles Davis, Chick Corea, the Mahavishnu Orchestra, Weather Report, and more.

**The Story of American Music**

Instructor: Dr. Guy Whatley  
Cost $48  
4 sessions: Fridays, Sept. 21, 28, Oct. 5, 12  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

The quality and diversity of music-making in the United States is unparalleled. This class will examine the origins of music in the United States. We will look at the music, books, and instruments brought over by the initial settlers and the growth of music making in the colonies. We will examine domestic, religious, military, and concert music in the United States. We will look at styles of music brought from Africa that would eventually flourish and greatly influence jazz and popular music. Finally, we will look at the music written for film and theater.

**River Cruising: Riding the Wave to Fascinating Destinations**

Instructor: Dan Fellner  
Cost $24  
2 sessions: Fridays, Oct. 5, 12  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Have you considered taking the plunge into one of the fastest growing segments of the cruise industry? River cruising is an enriching and luxurious way to visit destinations and learn about unique cultures. This class will discuss some of the “pros and cons” of river cruising and how it compares to traditional ocean cruises. The instructor is an experienced travel writer who has written about and photographed river cruises in numerous countries, including Russia, Vietnam, France, and Hungary. Take a virtual tour of river cruising around the world and perhaps get some ideas for your next vacation.
Craft Workshop: Desert Necklaces
Instructor: Shari Keith  
Cost $40*
2 sessions: Fridays, Oct. 19, 26
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

Cholla skeletons are dried, woody portions from inside the cholla cactus that have been beautifully weathered by the harsh desert climate. In this two-session workshop, participants create a unique necklace using cholla skeletons and a variety of beads. Simple jewelry-making techniques will be employed, including wire-working, sanding, drilling, joining, and beading. No jewelry making experience is necessary, but the project does involve using pliers. *This workshop has a limited enrollment of 20. There will be an additional $10 material fee due to the instructor at the beginning of the first session.

The Beauty and Hidden Meanings Behind Native Arts and Crafts
Instructor: Gregory Hansen  
Cost $24
2 sessions: Fridays, Nov. 9, 16
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

The first session in this unique class will focus on the histories, techniques, and absolute splendor of American Indian and African beadwork. The second session highlights the histories, meanings, and beauty behind other forms of Native art such as silverwork, woodwork, weaving, and painted mediums.

Where Have All the Leaders Gone?
Instructor: Dale Larsen  
Cost $12
1 session: Friday, Nov. 16
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Like the old folk song “Where Have All the Flowers Gone,” the study of leadership is ageless. Yet our cities continue to struggle with crises, communities are in turmoil, politics are rigged, and ethical violations are commonplace. This class presentation is based on the heartfelt belief that honest, capable, and ethical leadership is possible and achievable. Interactive class discussion, case study examples, and a pledge that leadership is within all of us will take place.

Domestic Violence: The Dark Truth
Instructor: Amanda Lindsay  
Cost $36
3 sessions: Fridays, Nov. 30, Dec. 7, 14
10:15 – 11:45 a.m. | Mercado, Bldg. C, Classroom

Domestic violence is a critical concern for professionals in many different disciplines, as the long-term consequences are far-reaching. This class will focus on the physical injuries, emotional scars, and even homicide that may result from domestic violence. We will examine domestic violence within the criminal justice system and discuss the legal aspects of the problem.

The Geology of Spirit: A Photographic-Poetic Exploration of the Interior/Exterior Southwest
Instructors: Dr. Rosemarie Dombrowski, Pat O’Brien,  
Cost $12
Cyd Peroni, Lois Roma-Deeley
1 session: Friday, Nov. 30
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

“The Geology of Spirit” is a photographic and poetic exhibition that depicts a journey into nature, one that reveals some of the truths that the Sonoran Desert offers the human spirit – from the cycles of decay and rebirth to the transience of time. The artistic collective – which includes photographers Cyd Peroni and Pat O’Brien, and poets Lois Roma-Deeley and Rosemarie Dombrowski – will discuss their individual and collaborative processes, show slides of some of the work that will be included in the exhibition (which launches Feb. 2019 at the Holland Gallery of Fine Art), and read selections from some of the exhibition poetry.

The Power in Persuasion: Rhetoric, Politics, and You
Instructor: Danae Barnes  
Cost $12
1 session: Friday, Dec. 14
12:15 – 1:45 p.m. | Mercado, Bldg. C, Classroom

We all know there are different types of music, different types of painting, different types of dance. But did you know there are as many different types of speech? In today’s divided world, understanding the difference between what is being said and how it is being said is more important than ever. In this class, we’ll examine some of the gems of rhetorical thought from this ancient field of study. We’ll look at general concepts, starting with form and content, moving toward the big three of ethos, pathos, and logos. Along our journey, we may unearth a few persuasive rhetorical devices commonly used, such as the anaphora of the opening sentence.

ASU Downtown Phoenix campus

Office Location: 502 E. Monroe St., Mercado, Bldg. C, Room 113  
Phoenix, AZ 85004  
602.496.1191

Michele Ramsden Coombs  
Email: michele.coombs@asu.edu  
Website: lifelonglearning.asu.edu/downtown

All classes are held at the ASU Downtown Phoenix campus, unless otherwise noted.

Parking
We offer our members discounted parking in Heritage Square Garage. A parking validator “chaser ticket” will be given to you upon arrival to class; please contact the coordinator, Michele Ramsden Coombs, with any questions.

Public Transportation
We encourage you to use the Valley Metro light rail or bus. Rail and bus stops are within walking distance of most classrooms. Visit valleymetro.org to plan your ride to campus.
What is an IRA charitable rollover?

The IRA charitable rollover, or qualified charitable distribution (QDC), is a permanent special provision allowing certain donors to make annual gifts that count toward their required minimum distribution, and not be subject to income taxes on the distribution.

What gifts qualify for an IRA charitable rollover?
- Made by a donor age 70 1/2 or older
- Transferred from a traditional IRA or a Roth IRA directly to a permissible public charity
- Cannot exceed $100,000 per tax year

What about the required minimum distribution?
If you haven’t already taken the required minimum distribution for the year, a qualifying IRA charitable rollover gift can satisfy this requirement.

Can this apply to other types of retirement plans?
No, this only applies to a traditional IRA or a Roth IRA.

Contact Andrea Ramirez at Andrea.J.Ramirez@asu.edu with more questions or to discuss your IRA charitable rollover options.
Monday

082 | Running Wilde: The Wit and Wisdom of Oscar Wilde
Instructor: Dr. Heather Ackerman       Cost $48
4 sessions: Mondays, Sept. 17, 24, Oct. 1, 8
10:30 a.m. – noon | Connections Program Room

Few authors can claim Wilde's penchant for epigrams, wordplay, and delightful satire. He taught us that “to love oneself is the beginning of a life-long romance.” His dramatic works are infused with deliciously irreverent humor, scathing observations, and surprisingly progressive solutions – a literary feast from an extraordinary genius who appreciated art, beauty, and pleasure. We’ll discuss three of Wilde’s plays: “The Importance of Being Earnest,” “A Woman of No Importance,” and “Lady Windermere’s Fan.” In our last week, we’ll read “Moises Kaufman's Gross Indecency,” a play about Oscar Wilde's trials that incorporates statements from his letters and De Profundis.

083 | Spooky Physics: Quantum Entanglement, Teleportation, and Computing
Instructor: Dr. Richard Jacob, Professor Emeritus       Cost $48
4 sessions: Mondays, Sept. 24, Oct. 1, 8, 15
1:00 – 2:30 p.m. | Connections Program Room

Taught at the level of a college general studies class for non-science majors, this class will introduce and survey contemporary research on, and address the core essence of, quantum physics – that which Einstein called “spooky.” We will cover the field from Heisenberg's Uncertainty Principle, the Einstein-Rosen-Podolsky paradox, Bell's inequalities, and up-to-date surveys of key experiments. Quantum teleportation will be distinguished from that in Star Trek and the prospect of quantum computers will be discussed.

084 | Miranda at 52: It’s More Than Just the Warnings
Instructor: Paul Ulrich       Cost $12
1 session: Monday, Oct. 8
10:30 a.m. – noon | Library Meeting Room A, Lower Level

The United States Supreme Court decided Miranda v. Arizona in June 1966. We will discuss the legal and factual background leading to this controversial decision, its reasoning, and what happened in the case after the Court’s decision. We also will discuss Miranda's historic importance in defining criminal suspects’ constitutional rights, how it has been applied in later cases, and its required warnings’ significance as constitutional requirements. Both the Miranda decision and background articles concerning it will be provided electronically prior to the lecture.

086 | Women in the Criminal Justice System
Instructor: Amanda Lindsay       Cost $48
4 sessions: Mondays, Oct. 22, 29, Nov. 5, 19 (no class Nov. 12)
10:00 – 11:30 a.m. | Connections Program Room

Once considered the domain of men, the criminal justice system has increasingly been influenced by women. The impact of women on the changing nature of crime and the criminal justice system is often understated, and an understanding of how the criminal justice system treats men and women differentially often goes unexplored. This class is designed to address a variety of issues pertaining to women and the criminal justice system, focusing on their roles as offenders and victims in the criminal justice system.

087 | An Introduction to Handel’s “Messiah”
Instructor: Dr. David Schildkret       Cost $12
1 session: Monday, Dec. 3
10:30 a.m. – noon | Connections Program Room

Do you plan to attend a performance of Handel’s “Messiah” this holiday season? In this class, we’ll explore the rich history and the music of Handel's best-known work. Go as the most informed member of the audience!

088 | What Causes Crime?
Instructor: Dr. Mike Reisig       Cost $12
1 session: Monday, Dec. 3
1:00 – 2:30 p.m. | Connections Program Room

For centuries people have asked, “what causes crime?” As we explore possible answers to this question, we will look at how scholars have explained criminal behavior over the centuries, identify some criminological facts, and assess how much crime there really is. Next, we look at three very different and prominent theories of crime. Our focus will be on identifying the factors that are said to “cause” criminal behavior. Finally, we explore some other correlations of criminal behavior that also warrant attention.

Tuesday

089 | The Early Creation of the English Bible: William Tyndale’s Life of Sacrifice
Instructor: Ken Sorensen       Cost $12
1 session: Tuesday, Sept. 11
1:00 – 2:30 p.m. | Connections Program Room

In the early 1500s, a young Catholic priest in England began his lifelong goal of translating the Bible from Latin into English. He was badly persecuted, and eventually killed, in the process. Along his journey, he met Martin Luther, who had the same goal for Germany. These brave souls dramatically impacted our world. Come relive their stories and find how we have benefited from their efforts.
090 | Myth, Symbol, and Ritual  
Instructor: Dr. Keith Crudup  
Cost $60  
5 sessions: Tuesdays, Sept. 18, 25, Oct. 2, 9, 16  
2:00 – 3:30 p.m. | Connections Program Room

What do Disneyland, the atomic bomb, a human mountain, or the kissing, fondling, and trading of bones have to do with religion? Besides being an introduction to the academic study of religion, this class will help you understand the role religion plays in such diverse cultural phenomena. This will not be a compendium of world mythologies or rituals, but through evocative case studies, reveal the ways that mythic, symbolic, and ritual expressions have served to orient cultures and individuals toward ultimate meaning.

091 | Sleep and Dreaming  
Instructor: Dr. Lynda Mae  
Cost $48  
4 sessions: Tuesdays, Oct. 2, 9, 16, 23  
10:30 a.m. – noon | Connections Program Room

Explore the fascinating world of sleep and dreaming! We will begin with an introduction to sleep, age variations, and some entertaining species variations. Then, we look at sleep genetics (how much of your sleeping pattern is inherited and how we know this). Next, we will enter the bizarre realm of dreaming, beginning with process – just what is going on in the brain when we dream? Do we dream in color? Do blind people dream? Our final lecture will cover functions and dysfunctions (disorders) of sleep and dreaming. The topic of sleep and dreaming draws a myriad of questions, so the final 30 minutes of each session will be devoted to answering those questions!

092 | Playing with Food: Chemistry in the Kitchen  
Instructor: Dr. Kirstin Hendrickson  
Cost $48  
4 sessions: Tuesdays, Oct. 30, Nov. 6, 13, 20  
10:30 a.m. – noon | Connections Program Room

Curious about the chemistry of cooking? Have you ever wondered how chefs know which spice to use, how to season a dish without measurements, or which fat (butter? olive oil? schmaltz?) to reach for? Curious why the more fat a dish has, the more acid it needs to balance flavors and excite the taste buds? Dr. Hendrickson – a chemist by vocation and a foodie/cook avocationally – will lead you through the chemistry of the kitchen. We'll learn to properly prep a roast (three days in salt, folks!), to fix a broken hollandaise (seriously, no fear!), and to season a dish with nary a measuring spoon in sight. This class is trans-cookbook...the goal is to move toward never needing one again!

093 | Discovering the Transantarctic Mountains  
Instructor: Dr. Edmund Stump, Professor Emeritus  
Cost $24  
2 sessions: Tuesdays, Nov. 6, 13  
1:00 – 2:30 p.m. | Connections Program Room

The Transantarctic Mountains are the most remote mountain belt on the planet. Their exploration spanned a century of valiant enterprise, from the days of wooden sailing ships and the first sighting by James Clark Ross in 1841, through the heroic era when Scott, Shackleton, and Amundsen vied for the Pole, to the airborne exploits of Byrd in the 1930s. Using historical maps, shaded relief maps showing actual routes, and photos from an extensive personal collection, the class will be guided through the Transantarctic Mountains, discovering them as the explorers did.

094 | Wonder and Conflict: Learning to Stop Worrying and Love Philosophy  
Instructor: Dr. Christopher Burrell  
Cost $12  
1 session: Tuesday, Nov. 20  
1:00 – 2:30 p.m. | Connections Program Room

Plato said that philosophy begins in wonder. But, wonder begins in conflict: the conflict of expectations, opinions, ideas, and ideologies. Philosophy is both how we struggle with these ideas and how we handle the inevitable crisis that follows. Every major civilization in history has had some form of philosophical speculation, called, among other things, “the love of wisdom,” training for death,” and “the art of living.” What unifies all the recognizably philosophical systems of the world is that each of them accepts conflict and crisis as inevitable components of existence. This is the human condition. How do we do it? And what does it mean for us not to philosophize?

095 | Islamic Mysticism  
Instructor: Dr. Mirna Lattouf  
Cost $24  
2 sessions on the same day: Tuesday, Dec. 4  
10:00 – 11:30 a.m., 12:00 – 1:30 p.m. | Connections Program Room

Islamic heritage has had very rich and diverse interpretations of its religion; one of the important interpretations is the development of the mystical tradition from the time of the prophet Muhammad to the present. In this class, we will review the most significant, Sufism. Under what conditions did it develop? What was its main message? How does it differ from orthodox Islam? Who are the people who shaped it? Where is Sufi ideology today? OLLI at ASU members are invited to purchase lunch from Connections Café, or pack a lunch.

096 | A City Without a Face: Paris, 1940-1944  
Instructor: Dr. Jeanne Ojala, Professor Emerita  
Cost $12  
1 session: Tuesday, Dec. 11  
1:00 – 2:30 p.m. | Connections Program Room

The German occupation of Paris lasted for almost four years. As German officials, bureaucrats, and soldiers settled into the city, Parisians reacted in a variety of ways. How did the Germans control and administer “the city of light”? Who collaborated or resisted the occupation? The majority of Parisians suffered from food and fuel shortages and curfews. What was “normal” life like in Paris? Cultural events, café life, and the bordellos were frequented by both French and Germans. How did the occupied and the occupiers interact? And what role did the French play in the round-up of French Jews and in the final liberation of Paris?

Wednesday

097 | The Strategic and Geopolitical Implications of Emerging Technologies  
Instructor: Dr. Braden Allenby  
Cost $48  
4 sessions: Wednesdays, Oct. 3, 10, 17, 24  
10:30 a.m. – noon | Connections Program Room

To many Americans, today’s world is a confusing mess – beset on the one hand by relentless adversaries such as Russia, China, and ISIS, and on the other by changing technologies. We will consider the complexity of today's geopolitical context through the lens of emerging technologies such as cyber, bio-designed human warriors, lethal autonomous robots, and frame scenarios that can help us not only make sense of what we read each day, but potentially take advantage of the significant inherent strengths of the American model of culture and governance.
099 | Ophelia: The Lively Interplay Between Image and Text
Instructor: Dr. Cristiane Busato Smith  Cost $12
1 session: Wednesday, Oct. 31
1:00 – 2:30 p.m. | Connections Program Room

Ophelia has captured popular imagination for over two centuries. Seduced by the scenes of the heroine’s death and madness in Shakespeare’s play, painters and poets promoted Ophelia to the status of an archetypal model as well as a cult heroine, suggesting a lively interplay between text and canvas that still thrives in contemporary culture. In this sense, the text itself has proved less interesting than a history of representations that far exceed the original boundaries. Using examples from popular culture and the visual arts, this lecture explores this intriguing phenomenon.

100 | The Screwball Comedy
Instructor: Dr. Kevin Sandler  Cost $48
4 sessions: Wednesdays, Nov. 14, 28, Dec. 5, 12 (no class Nov. 21)
10:30 a.m. – noon | Connections Program Room

This class looks at the screwball comedy, a Hollywood genre from the mid-1930s into the early 1940s, offering escapist entertainment for Depression-Era audiences. Produced after the strict enforcement of the Hollywood Production Code took effect in 1934, screwball comedies combined farce, slapstick, and witty dialogue to present light-hearted, sophisticated, romantic stories commonly focusing on a battle of the sexes. See how co-protagonists try to outwit or outmaneuver each other in four films from the comedy greats of classic Hollywood: Howard Hawks, Ernst Lubitsch, Leo McCarey, and Preston Sturges. Links to films will be provided.

Thursday

102 | Introduction to Creative Reading: Literature Made Personal
Instructor: Barbara Nelson  Cost $24
2 sessions: Thursdays, Sept. 13, 20
10:30 a.m. – noon | Connections Program Room

Bored with your book club? Creative reading, a fresh approach to book discussion, has the challenge and focus of a literature seminar, but also stretches your awareness of unique reading sensibilities; you will learn how to expand and diversify them. Become immersed in current critically-acclaimed literary fiction, learn about fictional craft as displayed in our reading, and be part of a lively, dynamic discussion about books, the writing of them, and the reading of them. This introductory mini-class will focus on one novel: “Sing, Unburied, Sing” by Jesmyn Ward, winner of the 2017 National Book Award for Fiction.

103 | The Fall of the Roman Empire
Instructor: Dr. Sarah Bolmarcich  Cost $36
3 sessions: Thursdays, Sept. 13, 20, 27
1:00 – 2:30 p.m. | Connections Program Room

In 476 CE, the Roman Empire fell. Although it spanned 1.9 million square miles and lasted for 504 years, the empire exited with a whimper, not a bang, finalizing a long period of decline. What ultimately precipitated the fall of the empire? Could it have been saved? This class will look at the causes of the decline and fall of the western Roman Empire, from politics to Christianity to a collapsed economy, and from lead poisoning to climate change.

104 | The Most Extraordinary Outsider Art of All Time
Instructor: Dr. Deborah Robin  Cost $12
1 session: Thursday, Sept. 27
10:30 a.m. – noon | Connections Program Room

We will be viewing and discussing some of the most famous, provocative, and bizarre outsider art of all time. You will acquire a deeper appreciation for the self-taught artists who created it. “Folk art, outsider art, Art Brut – no matter what you call it, the work of self-taught artists has been fascinating doctors, curators, and other artists for the past hundred years. Inspired by a vision, these artists are often driven by obsession to realize their ideas on found materials using makeshift methods that might seem illogical but end up leading to profound works of art.” – Paul Laster, “Flavorwire.”

Coming this fall...
The Skip Schnierow Class Series
presented in remembrance of Frank “Skip” Schnierow*

Details regarding a special class series will be announced soon!

Immediately following each session, students enrolled in this class series are invited to a gathering in the classroom for refreshments, and to honor and celebrate Skip’s legacy.

*This series is made possible through Skip’s personal bequest and designated by Skip’s family.
Southwest Shakespeare Company brings to life a new adaptation of Shelley's classic horror novel about Victor Frankenstein, who in his obsessive quest to overcome death, destroys his own life. This theatrical, unique staging employs 13 actors to reanimate the infamous gothic tale. Join us as Ken Sorensen also explores the life of author Mary Shelley, her literary parents, and her husband, a great Romantic poet himself. Come hear her story and the inspiration that led to the novel and play.

For over 500 years, numerous monuments by the late-medieval sculptor Adam Kraft have dominated the Nuremberg cityscape. These public sculptures will be explained, including their changing historical contexts, different possible meanings and functions, current and past relevance, and ethical implications. Some aspects of these works are sexist and even misogynistic; while others are xenophobic and anti-semitic. On the basis of these works of art from the distant past, we will pose the current question: what should we do with old monuments?

This class explores found art – art that includes elements not created by the artist, and/or materials not typically used in art. We'll look at and discuss a wide range of examples from visual art, literature, filmmaking, and music. We will also experience the creative process by composing found poetry in class.
ASU Foundation Presents:

098 | Did Anything Really Change? A Tax Question
Instructor: Brian Nielson                Free
1 session: Wednesday, Oct. 10
1:00 – 2:30 p.m. | Connections Program Room

Come join ASU Foundation Executive Director of Estate and Gift Planning, Brian Nielson, and his esteemed co-presenters to explore the 2017 Tax Cut and Jobs Act. Learn about the impact of the changes that will (maybe) affect your 2018 tax return. Expect to leave the session with an understanding of what the changes claim to do, and knowledge of what you should discuss with your tax preparer.

101 | Strategic Philanthropy
Instructors: Brian Nielson, Tiffany House         Free
1 session: Wednesday, Dec. 5
1:00 – 2:30 p.m. | Connections Program Room

Come join ASU Foundation Executive Director of Estate and Gift Planning, Brian Nielson, and his esteemed co-presenters in a lively discussion on “smarter charity.” Is there a difference between philanthropy and charity? If so, does it matter? Is there such thing as a bad gift, or a bad way to give? This class will give you an insider’s view of “smart” giving from a tax perspective, from an impact perspective, and from a personal satisfaction perspective.

111 | Is This Great Art?
Instructor: Allen Reamer           Cost $48
4 sessions: Thursdays, Nov. 8, 15, 29, Dec. 6 (no class Nov. 22)
10:00 a.m. – noon | Connections Program Room

Do you ever wonder why a work of art is considered a masterpiece? How can both the Mona Lisa and Jackson Pollock’s paintings be great art? We will look at a variety of paintings and sculptures, utilizing six judging techniques. You are encouraged to bring in pictures of artwork for discussion.

112 | Abraham Lincoln: The Stories and The Man
Instructor: Ken Sorensen             Cost $24
2 sessions: Thursdays, Nov. 8, 15
1:00 – 2:30 p.m. | Connections Program Room

Who was Abe Lincoln, and what shaped his world? This class looks at specific events and people, and the impact they had on his life. The first session covers his early days, the two women in his life, “Spotty Lincoln,” the effect of the Dred-Scott case, his debates, his presidential election, and the Gettysburg Address (both versions). The second session covers the pivotal year of 1864, the 13th Amendment, the surrender, the last week, the assassination, and the aftermath.

Friday

113 | World War I and the Death of the Enlightenment
Instructor: Dr. Robert Niebuhr           Cost $48
4 sessions: Fridays, Sept. 14, 21, 28, Oct. 5
10:30 a.m. – noon | Connections Program Room

This class will focus on the significance and impact of World War I in global and European history. The short-term causes stemmed from a “great power” competition on the fringes of Europe, with war aims that sought to finalize the struggle for cultural, economic, and political power. War itself emerged as something flush with romantic ideas of glory and honor, but it was radically determined by technology and industrial power. World War I was transformational; it began what would be perhaps the most devastatingly destructive century in human history.

114 | Political Philosophy in the Modern Era: The Emergence of the State and the Individual
Instructor: Dr. Brian Blanchard       Cost $60
5 sessions: Fridays, Nov. 2, 9, 16, 30, Dec. 7 (no class Nov. 23)
10:30 a.m. – noon | Connections Program Room

The modern period of political philosophy spans the Renaissance and the Enlightenment. It marks a distinctive break from the thinking of ancient philosophers from Greece and Rome. This class will present an overview of modern political philosophy. We will consider the distinctive features of modern political thought including what distinguishes it from ancient political thought. We will examine the contributions of important thinkers such as Machiavelli, Hobbes, Locke, Rousseau, Mill, and others, in order to better understand how modern political thought established the foundation of political thinking in the 20th century and the present.

Tempe Connections
Tempe Public Library
3500 S. Rural Rd., Tempe, AZ 85282
480.350.5490
Jolene Gosling, Coordinator
Email: Jolene.Gosling@asu.edu
Website: lifelonglearning.asu.edu/tempe

All classes are held in the Connections Program Room on the main level of the Tempe Public Library, unless otherwise noted.

Parking
There is free, ample parking at the Tempe Public Library.

Registration
Register online at lifelonglearning.asu.edu/registration and pay with a credit card, or call the office at 602.543.6440. Registration is required for all offerings and free events.
Monday

115 | The Early and Golden Years of Baseball
Instructor: Ken Sorensen    Cost $24
2 sessions: Mondays, Sept. 17, 24
1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

Baseball has such an interesting history; some think it predates the Civil War, and some want to give General Abner Doubleday credit for its beginnings. First, we will look at the dominant figures of baseball, including Cy Young, Ty Cobb, Shoeless Joe Jackson, and the Black Sox scandal and talk about how they impacted the game. The second session will cover the 1920s -1960, and cover Babe Ruth, Lou Gehrig, Ted Williams, Jackie Robinson, Mickey Mantle, and finish the class with the 1960 World Series involving the Pirates and the Yankees.

116 | Black Holes: The Most Mysterious Objects
Instructor: Dr. Per Aannestad, Professor Emeritus    Cost $12
1 session: Monday, Nov. 26
1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

In this lecture, we will explore the properties of the most mysterious object in our universe: black holes, both normal and supermassive ones. They release enormous amounts of energy into the cosmos as they seemingly disappear from the universe, leaving behind only their strong gravitational effects. In that sense, they are the like the grin of the Cheshire cat in “Alice in Wonderland.” In addition, they warp time and space, and lead to conundrums in our understanding of physical reality.

Tuesday

117 | Classic Arthouse Films
Instructor: Dr. Ian Moulton    Cost $48
4 sessions: Tuesdays, Sept. 11, 18, 25, Oct. 2
10:30 a.m. – noon | Village Center, Skirm Auditorium

This class will study four classic arthouse films from the 1950s-1960s: Ingmar Bergman's “The Seventh Seal,” Federico Fellini’s “La Dolce Vita,” Jean-Luc Godard's “Contempt,” and Michelangelo Antonino's “Blow Up.” We will discuss the innovative qualities of these movies and their effect on mainstream cinema as well as their larger historical and cultural significance. Note: Films will be discussed in this order. Students are encouraged to secure the films individually and watch prior to class; only clips will be shown in class.

118 | Memoir Writing Workshop
Instructor: Patricia “Trish” Murphy    Cost $120*
6 sessions: Tuesdays, Sept. 11, 18, 25, Oct. 2, 9, 16
1:30 – 3:00 p.m. | Village Center, Conference Room

Whether you are just getting started or are in the process of composing your memoir, this class will help you build your understanding of the genre. We will study successful memoir writing to identify techniques such as focus, beginning and ending, narration, and description. We will then do in-class writing assignments to practice developing very short scene-based memoir pieces. New and continuing students welcome. Computer/printer access required. Please contact Trish with questions and concerns at trishm@asu.edu.
*This workshop has a limited enrollment of 15. There is no material fee.

119 | How to Identify Hawks and Other Raptors
Instructor: Kathe Anderson    Cost $12
1 session: Tuesday, Sept. 25
1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

What is a raptor and how can you identify it? Not every hawk that sits on a lamppost is a red-tailed hawk, but many are. How do you tell the difference between it and others? How about when they are flying? What other raptors are around the Phoenix area, and when? In this interactive class, focused on 14 raptor species, we’ll discuss the various categories of common raptors, how their prey dictates their shapes and behaviors, and some diagnostic tips to tell them apart.

120 | Jerusalem: An Archaeological Look at the Development of a Holy City
Instructor: Rev. Matthew Knopf    Cost $24
2 sessions: Tuesdays, Oct. 9, 16
10:00 – 11:30 a.m. | Village Center, Skirm Auditorium

Explore the city of Jerusalem from the ground up. This class takes an archaeological look at the city's ancient development from a small hillside habitation into a bustling religious epicenter. Particular attention will be placed on the region of the Temple Mount and the surrounding area. See the material evidence left behind which helped establish and advance a holy city.

121 | China: Aggressive or Defensive?
Instructor: Dr. Sheldon Simon, Professor Emeritus    Cost $24
2 sessions: Tuesdays, Nov. 13, 20
10:00 – 11:30 a.m. | Village Center, Skirm Auditorium

This class will be an exploration of China’s security interests and policies from the beginning of the People’s Republic of China to the present day. The class will attempt to answer the policy concerns of the United States toward China; is China a partner or an adversary?
Cryptocurrency, also known as virtual currency or digital currency, has been around for few decades, but it captured the world’s attention in 2017. Simplification is the central theme for digital currency. The premise is built on the ability to “allow online payments to be sent directly from one party to another without going through a financial institution,” and this is the essence for all complex math and large distributed computing operations behind each of the cryptocurrencies. This lecture will help students learn what cryptocurrencies are, what makes them so popular, how to acquire and spend in cryptocurrency, and who is regulating them.

Interplanetary Initiative: How Shall We Move Off-Planet?
Instructor: Dr. Peter Swan   Cost $24
2 sessions: Tuesdays, Nov. 27, Dec. 4
10:30 a.m. – noon | Village Center, Skirm Auditorium

The commercial imperative will determine how, or even if, humanity should move off-planet. The driving functions are tied to the need to improve conditions on Earth, and follow the inherent desire to explore and expand. Questions that need to be answered: What do we need to start the movement off-planet? Where shall we go? How do we start the process? The world changed when Elon Musk stood up and announced he would place 100,000 people on Mars in his lifetime. These questions and proposed answers are based on the instructor’s 48 years of experience within the space profession.

Surveillance and Film
Instructor: Dr. Greg Wise   Cost $12
1 session: Wednesday, Sept. 12
10:30 a.m. – noon | Recreation (“Rec”) Center, Main Room

This class examines how surveillance has been represented in popular film. Though obviously fictionalized, feature films are important sources of popular understanding of the character and capacity of surveillance in contemporary society: what surveillance means, and what we should feel or do about it. Such film analysis is a way of understanding what some have called the “surveillant” imaginary, the collection of stories, images, ideas, and feelings associated with surveillance at a particular point in time.

More Than Meets the Eye: The Fascinating Biology of Dragonflies
Instructor: Dr. Pierre Deviche   Cost $12
1 session: Wednesday, Sept. 26
1:30 – 3:00 p.m. | Recreation (“Rec”) Center, Classroom

Dragonflies belong to an ancient group of insects that evolved long before the first dinosaurs, and have changed little in the past 250 million years. They are of great interest to biologists due to their sophisticated visual system, amazing flight ability, and complex behavior. They depend on the development of aquatic environments and can potentially serve as indicators of water quality. Come learn the biology of dragonflies, with emphasis on their life cycles, distribution, and behavior, and different methods to find, observe, and photograph them.

Reading and Discussing Shakespeare’s “Hamlet”
Instructor: Dr. Cristiane Busato Smith   Cost $36
3 sessions: Wednesdays, Nov. 7, 14, 28 (no class Nov. 21)
1:30 – 3:00 p.m. | Recreation (“Rec”) Center, Classroom

“Hamlet” has impacted our culture for over four centuries, and its characters have entered the realm of myth. Analyzing the play and understanding the existential predicaments of the troubled prince can be a very rewarding exercise. This class welcomes anyone interested in gaining some intimacy with Shakespeare’s best known and most quoted play. We will read key scenes together and discuss plot, themes, imagery, and character. Activities will include brief tutorials and viewing short scenes of films. Bring your own edition of Hamlet and join us!

The Crown Jewels of Natural America: Grand Canyon National Park and the Backcountry Ranger
Instructor: Gregory Hansen   Cost $24
2 sessions: Thursdays, Sept. 20, 27
1:30 – 3:00 p.m. | Recreation (“Rec”) Center, Classroom

Using an interactive approach, the first session in this class will convey the glorious history, geology, and management of the Grand Canyon as seen by a former Inner Canyon patrol ranger while on assignment in the canyon with the U.S. National Park Service. The second session will get right down in the dirt, with the instructor sharing his first-hand experiences as a lifelong backcountry ranger via thrilling accounts of life-threatening animal encounters, cantankerous human confrontations, and perilous search-and-rescue missions.
128 | Economics and Religion: Recruiting and Retaining Religious “Customers”
Instructor: Dr. Paul Burgess, Professor Emeritus   Cost $12
1 session: Thursday, Oct. 11
1:30 – 3:00 p.m. | Recreation (“Rec”) Center, Classroom

No institutional religion survives without recruiting and retaining its members. From an economic viewpoint, the members are religious “customers” who are served by religious firms. In that sense, there is competition in the religious marketplace, and firms compete to satisfy their customers and attract new ones. The early Catholic Church provides an unique example of how one firm rose to dominance over all others. Interestingly, its strategies are similar to those used by other religions, and strong echoes of many of them still are found in the modern Catholic Church.

129 | Exotic Asia: A Travelogue on Where to Go and What to See
Instructor: Dan Fellner   Cost $36
3 sessions: Thursdays, Nov. 1, 8, 15
10:30 a.m. – noon | Village Center, Private Dining Room

Are you thinking of taking your next vacation to the exotic, diverse, and intriguing continent of Asia? From bustling Hong Kong, to the opulent Grand Palace of Bangkok, to the world’s tallest building in Dubai, to the slums of Mumbai, this course will explore the culture, cuisine, and customs of this fascinating region. Dan Fellner will share his experiences and observations from his extensive travels to diverse countries such as Vietnam, Myanmar, India, Thailand, Indonesia, and the United Arab Emirates.

130 | Monet: His Life and Art
Instructor: Allen Reamer   Cost $12
1 session: Thursday, Nov. 15
1:30 – 3:30 p.m. | Village Center, Private Dining Room

Monet was one of the greatest of the French Impressionists. He developed a new style of expressing beauty. Monet was also the only French Impressionist who continued producing paintings in this style all his life. We will look at the artistic background he lived in and will cover his unconventional life and paintings in detail.

131 | The Constitution vs. Donald J. Trump, Part IV
Instructor: Robert McWhirter   Cost $12
1 session: Friday, Sept. 21
noon – 1:30 p.m. | Village Center, Skirm Auditorium

As President Trump claims to “Make America Great Again," he finds himself bumping up against the greatest charter of government on Earth, the United States Constitution. Included in this conversation are the following topics: the 10th Amendment, suing California, immigrants and DACA, the constitution and guns, the cease-and-desist letter to the publisher of “Fire and Fury," the constitutionality of the Mueller investigation, the travel ban, if a sitting president can be charged with a crime, impeachment, and more. This presentation and question-and-answer session looks at what the United States Constitution really says about what Donald Trump wants to do.

132 | Explore Your Inner Creativity!
Beginner and “Advanced Beginner” Acrylic Painting Workshop
Instructor: Sue Ann Dickey   Cost $100*
5 sessions: Fridays, Sept. 28, Oct. 5, 12, 26, Nov. 2 (no class Oct. 19)
12:30 – 3:00 p.m. | Recreation (“Rec”) Center, Main Room

No drawing necessary, and no long lectures! Beginners: Learn, step by step, everything from how to adjust an easel to guidance in painting a small wonder of the world – a flower! This class is about success without stress. Bring an apron and $45 payable to the instructor (cash or check) for supplies. Advanced Beginners: Kick it up a notch with knives and gels! The technical focus will be on material usage and composition, with an unlimited color palette. A supply list will be provided upon registration. If you have questions, please contact Sue Ann at 480.982.1336 or email sueanndickey@hotmail.com. *This workshop has a limited enrollment of 18. There will be an additional $45 material fee, for beginners only, due to the instructor at the beginning of the first session.
133 | Disinherited, Dispossessed, and Decapitalized: The Limits of Black Wealth in America, 1619-2019
Instructor: Dr. Calvin Schermerhorn  Cost $12
1 session: Monday, Oct. 1
10:30 a.m. – noon | The Lodge

Why do African Americans have one-tenth the wealth of white Americans today, 50 years after the Civil Rights Era and 150 years after emancipation? The answer, in part, lies in three interrelated processes. Disinheritance was the cornerstone of colonial slavery, halting the intergenerational transmission of wealth; children of enslaved mothers were inheritable property. Dispossession characterized the 19th century, ruining health, stealing earnings, and breaking family ties that generated social capital. Decapitalization excluded black Americans from advantages that accrued for whites, throwing up invisible hurdles in housing, opportunity, and criminal justice.

134 | Professional Football: A “People” Business
Instructor: Dr. Samuel Renaut  Cost $12
1 session: Monday, Oct. 8
1:00 – 2:30 p.m. | The Lodge

Kick off the football season with a lecture that will highlight many issues facing the National Football League from the perspective of a player agent, including the certification process, leveraging media relationships, team personnel and player evaluations, player-agent dynamic, and the business of football, all with an eye toward the regulatory framework that governs the game and its consumption.

135 | Early Modern Art: Dada and Surrealism
Instructor: Dr. Deborah Robin  Cost $24
2 sessions: Mondays, Oct. 15, 22
10:30 a.m. – noon | The Lodge

The Dada art movement emerged during WWI as a reaction to the absurdity and horror of war. Dada art, poetry, and performances were usually satirical and nonsensical, just like the name “Dada” itself. A spin-off of Dada, Surrealism, uses the unconscious mind as a way to unlock the power of the imagination. The images created by Dada and Surrealist artists can be amusing, shocking, and disturbing, but are always fascinating. We'll explore some of the most famous art by Marcel Duchamp, Salvador Dalí, Rene Magritte, Joan Miró, Paul Klee, Giorgio de Chirico, and others. The goal of the class is to walk away more fully appreciative of the art of Dada and Surrealism, while better grasping the mysterious images of these early modern artists.

136 | Beethoven: The First Rock Star
Instructor: Scott Youngs  Cost $12
1 session: Monday, Oct. 29
10:30 a.m. – noon | The Lodge

Beethoven! The story of his stormy, tragic, and infamous life is truly the stuff of operas: overly large personalities vying for honor and fortune, wars, villains, heroes, and monumental egos all in the cauldron of Vienna society. We'll look briefly at his early life, then move on to the three major periods in his compositional style. He was the bridge from the Classical era to the Romantic era. He moved the piano sonata from the drawing room to the concert hall, so we'll use his sonatas to demonstrate his transformation into the mystical and revered musical hero we know today.

137 | Graffiti! A Visual History from Antiquity to the Street Art of Banksy
Instructor: Dr. Deborah Robin  Cost $24
2 sessions: Mondays, Nov. 5, 12
10:30 a.m. – noon | The Lodge

Since ancient times, graffiti has been used to mark territory, express social and political messages, provide an outlet for artistic ability, and deliver humor...Despite the fact that vandalizing property is illegal! This class provides a rich visual record of graffiti's evolution and many variations including contemporary street art created by artists such as Jean-Michel Basquiat, Keith Haring, Shepard Fairey, JR, and Blek le Rat, with special emphasis on Banksy.

138 | Unpacking Jane Austen’s “Sense and Sensibility” (1811)
Instructor: Dr. Devoney Looser  Cost $12
1 session: Monday, Nov. 5
1:00 – 2:30 p.m. | The Lodge

In this illustrated lecture, followed by discussion, we will unpack Austen's moving novel of two sisters falling for men, starting with its title. We'll talk about what “sense” and “sensibility” meant in Jane Austen's day and why reading these terms with historical nuance may help a reader better grasp the story's complexity. Then we'll look at the novel's afterlife and growing reputation from the 19th century to the present, asking how popular culture has shaped the ways in which we have come to value the novel that was Austen's first published work of fiction.
139 | Cities and Urbanism: From Ancient Teotihuacan to the Modern World  
Instructor: Dr. Michael E. Smith  
Cost $12  
1 session: Monday, Nov. 12  
1:00 – 2:30 p.m. | The Lodge

Do ancient cities, as excavated by archaeologists, hold any lessons for the world today? We will explore this question, using the pre-Aztec Mexican city of Teotihuacan as an example. Some features of contemporary cities are too radically different from the ancient world to make useful comparisons (for example, the role of the global financial economy). Other features (e.g. the ways people interact socially in the urban built environment, or the structure of neighborhoods) are similar through deep time and suggest the operation of urban universals. In balance, what can we learn today from cities of the ancient world?

140 | An Impossible Choice: The Bitter Painting Contest Between Leonardo da Vinci and Michelangelo  
Instructor: Dr. Deborah Robin  
Cost $12  
1 session: Monday, Dec. 3  
10:30 a.m. – noon | The Lodge

Acknowledged as the greatest of the Italian Renaissance masters, Leonardo and Michelangelo lived and worked in Florence at the same time. Rivals who despised each other, they were invited by the Mayor of Florence in 1503 to paint opposite walls in the same room in a contest to choose the better painter. As you might imagine, it didn’t end well! This lecture will ask you to also make an impossible choice and determine which artist is best. Why are Michelangelo’s “David” and Leonardo’s “Mona Lisa” masterpieces? What other works made these artists famous and how can you tell them apart?

141 | Medieval Paris and the Origins of France  
Instructor: Dr. Mark Cruse  
Cost $12  
1 session: Monday, Dec. 3  
1:00 – 2:30 p.m. | The Lodge

This lecture tells the story of how Paris became the political, economic, religious, and intellectual capital of France in the Middle Ages. We will discuss major monuments – including the Louvre, the cathedral of Notre-Dame, and the Bastille – and their role in transforming Paris into one of the largest and wealthiest cities in Europe. We will see how medieval history shaped the city, and the country, as we know them today. The lecture will be illustrated, and does not require firsthand knowledge of Paris.

142 | From Kiev to Kosovo: Eastern Europe’s Fascinating Culture  
Instructor: Dan Fellner  
Cost $24  
2 sessions: Tuesdays, Oct. 2, 9  
1:00 – 2:30 p.m. | The Lodge

No region in the world has undergone more dramatic change in the last quarter-century than Eastern Europe. After 50 years of Soviet occupation, most of the region’s countries have thrown off the shackles of totalitarianism. But tensions remain, underscored by the recent conflict between Russia and Ukraine. This highly visual course, taught by a three-time Fulbright Scholar in the region, will examine Eastern Europe’s “frozen conflicts” and its unique and diverse culture. We will explore fascinating, little-known destinations for you to consider for your next overseas trip.

143 | Interplanetary Initiative: Where Are We Going with NewSpace and Old Orbits?  
Instructor: Dr. Peter Swan  
Cost $24  
2 sessions: Tuesdays, Oct. 9, 16  
10:30 a.m. – noon | The Lodge

Using conceptualizations of “NewSpace,” imagine what our spacecraft to Mars may look like: a red, sporty Tesla with a space-suited driver, our blue planet in the distant background, with electric propulsion and David Bowie coming from the speakers. The future space arena is now filled with dreamers, doers, and believers. Space initiatives are no longer competing against big government. One question must be addressed: Which old orbits match “NewSpace”? How do original thinkers like Newton, Goddard, and Von Braun play in today’s explorations?

144 | Rituals and Power: Religion in Ancient Greece and Rome  
Instructor: Dr. Sarah Bolmarcich  
Cost $24  
2 sessions: Tuesdays, Oct. 23, 30  
1:00 – 2:30 p.m. | The Lodge

Ancient Greek and Roman religion was vastly different from what we think of when we think of religion today. Though the Greeks and Romans had their gods and rituals, their expectations of religion and their experience of it were largely practical and pragmatic, not emotional or even spiritual. These two lectures will cover the basic principles of Greek and Roman religion, the gods, priests and priestesses, rituals, prophecies, mystery cults, and the question of human sacrifice.

145 | The Opioid Epidemic: Emergency Legal Responses  
Instructor: James G. Hodge, Jr.  
Cost $12  
1 session: Tuesday, Nov. 6  
10:30 a.m. – noon | The Lodge

The U.S. opioid epidemic is a national state of public health emergency. Since 1999, nearly 500,000 deaths among all ages and types are attributable to opioid abuse. Solutions to this “Medusa of epidemics” are not easy, quick, or cheap. Like opioid-related declarations issued already by multiple states, the national declaration is purposeful. Still, some question labeling a long-term, complex epidemic of opioid abuse as an emergency. This class explores this debate to answer what may constitute a public health emergency in the future.

Tuesday

Canceled
146 | Infrared Astronomy: From Dark to Bright
Instructor: Dr. Per Aannestad, Professor Emeritus  Cost $12
1 session: Tuesday, Nov. 13
10:30 a.m. – noon | The Lodge

Within the electromagnetic spectrum, infrared radiation reveals the cool and “hidden” universe. Observations of near-Earth asteroids and comets, cool stars and planets, protostars and protoplanets, interstellar dust clouds, star-formation regions, galaxies, and protogalaxies give us important information about the history and evolution of the Universe. New telescopes and observatories have shown us a detailed and complimentary view of the visible universe.

147 | Alzheimer’s: Can I Change My Brain?
Instructor: Dr. Paul Coleman  Cost $12
1 session: Tuesday, Nov. 13
1:00 – 2:30 p.m. | The Lodge

Alzheimer’s disease continues its pitiless ascent. By the time we are 80 years old, we have a 50% chance of getting some kind of dementia. Join Dr. Coleman, who has handled thousands of human brains in his quest to alleviate suffering caused by Alzheimer’s disease, dementia, and other brain-related illnesses, as well as unlock other mysteries of the brain such as nature versus nurture, how to help children develop their brainpower, and more. The lecture will highlight new ideas to detect Alzheimer’s early and potentially treat the disease, while sharing tips that could reduce the risk of getting Alzheimer’s or dementia and building new pathways in the brain.

148 | The Universe: A Microscopic View
Instructor: Dr. Laurence Garvie  Cost $24
2 sessions: Tuesdays, Nov. 27, Dec. 4
10:30 a.m. – noon | The Lodge

Come explore what meteorites tell us about our solar system. Meteorites contain a range of mineral types and their occurrences, associations, and structures are direct clues to early solar system conditions, planetary formation, and breakup. In addition, we will explore how this microscopic knowledge is key to future human planetary exploration and our own survival. This will be a practical-based endeavor where meteorites will be studied as hand-samples and under an optical microscope.

149 | God Is Not One
Instructor: Dr. Vicki Cabot  Cost $12
1 session: Tuesday, Dec. 4
1:00 – 2:30 p.m. | The Lodge

Inspired by Stephen Prothero’s book by the same name, this lecture will confront the conundrum of religion as both a force for good and a force for evil in the world. Drawing on timely case studies of both religious gore and glory, from the kidnapping of the teenage girls by Boko Haram in Nigeria, to the ethnic cleansing of the Rohingya Muslim minority in Myanmar, to the global outpouring of Christian support for victims of Hurricane Irma in the Caribbean, the class will look at the toxic and tonic dimensions of the great religions in the world and how we can respond.

150 | Jazz Themes: TV and Movies from the 1950s-1990s
Instructor: Dom Moio  Cost $48
4 sessions: Wednesdays, Oct. 10, 17, 24, 31
10:30 a.m. – noon | The Theatre

A theme song is a show’s first impression; the 1950s to the 1990s were the TV and movie themes heyday. Some themes proved so likable, they also became “Billboard” chart hits. Remember the funny red-head, who was married to the Cuban drummer? The theme that lead up to the show? Yes, “I Love Lucy”? Or how about the themes to “The Rockford Files,” “Mission Impossible,” “Charlie’s Angels,” and “Mash”? Dom takes us back in time to hear and learn about the composers and jazz versions of the themes for those and many more great TV shows and movies.

151 | The Bonus Years Diet
Instructor: Dr. Christy Lespron  Cost $12
1 session: Wednesday, Oct. 17
1:00 – 2:30 p.m. | The Lodge

Did you know that adding daily doses of dark chocolate, red wine, nuts, garlic, fruits, vegetables, and fish to your diet could possibly extend your life 4.8 to 6.6 years? These foods have been associated with reducing blood pressure, lowering bad cholesterol, and managing inflammation and clotting in the blood vessels, while at the same time increasing your good cholesterol levels. Your diet can help prevent cardiovascular disease, which is a leading cause of mortality in the United States. Dr. Christy Lespron will discuss the main points of Dr. Ralph Felder’s book “The Bonus Years Diet” and answer your nutrition and longevity questions.

152 | How Clean Energy and High Capacity Batteries Are Changing Our World… For the Better!
Instructor: Dr. Paul Hirt  Cost $12
1 session: Wednesday, Oct. 24
1:00 – 2:30 p.m. | The Lodge

Several interrelated technologies are quickly transforming the energy and transportation sectors. The changes are coming faster than anyone expected, and will profoundly alter how we produce and consume electricity and how we move people and products around. The old reliable fossil fuel based electric system is being fundamentally transformed by rapidly falling costs for solar panels, wind turbines, and high-efficiency batteries. The electric car and truck revolution is accelerating this trend. Professor Hirt will explain the characteristics, causes, and likely consequences of this exciting energy transition that is sweeping the world.
153 | Water in Arizona: Past, Present, and Future
Instructor: Dr. Paul Hirt  Cost $12
1 session: Wednesday, Oct. 31
10:30 a.m. – noon | The Lodge

Water is Arizona’s most precious resource, yet few people know where their water comes from, who provides it, how the quality is assured, or how secure future water supplies are for the state’s six million residents. A billboard near Roosevelt Dam proclaimed in the 1960s: “Arizona Grows Where Water Flows.” But growth and the control of water to support it have never been simple uncontested endeavors. Who gets cut when there is a shortage? Who has priority? Who makes these decisions about our water future? Join us on a bird’s eye view of the past, present, and future of water in Arizona.

154 | The Global Cold War: Perspectives from Eastern Europe
Instructor: Dr. Robert Niebuhr  Cost $36
3 sessions: Wednesdays, Nov. 7, 14, 28 (no class Nov. 21)
10:30 a.m. – noon | The Lodge

This class focuses on placing Eastern European history in the context of how smaller actors handled the rise of Asian countries during the Cold War. Among other things, this examination can help us understand the development of nonalignment, led by Josip Broz Tito. The goal is to show that there is a logic and coherence to how Eastern Europe responded to, competed with, and engaged with China, which not only sheds light on complicated international dynamics during the Cold War – making it a truly global phenomenon – but also opens venues for handling actors such as North Korea today.

155 | The U.S. and Cuba: Sorting Out the Mess
Instructor: Dr. David Pearson  Cost $24
2 sessions: Wednesdays, Nov. 7, 14
1:00 – 2:30 p.m. | The Lodge

Since 1898, Cuba and the U.S. have not been good neighbors. Power, politics, and money have created an outsized problem that almost brought the world to nuclear war. Ongoing acrimony costs both countries in terms of scientific, economic, diplomatic, and cultural progress. What happened, and more importantly, how might U.S. and Cuba relations be improved?

156 | A Brief History of Anti-Semitism in Poland
Instructor: Dr. Anna Cichopek-Gajraj  Cost $12
1 session: Wednesday, Nov. 28
1:00 – 2:30 p.m. | The Lodge

The lecture will offer a history of anti-Jewish rhetoric and practice in Poland. It will start with medieval anti-Jewish imagery and accusations during the early modern period and the growing impact of secularization. We will explore the rise of rationality (the Enlightenment) and the modern anti-Jewish rhetoric it spawned, and continue with the rise of racial thinking and political anti-semitism in the 19th century. It will end with contemporary manifestations of anti-semitism in Poland. The lecture will stress the role of specific historical context in shaping anti-Jewish discourse and practice, and will use some primary sources, including anti-Jewish texts and visuals.

157 | Adventurous Spirits: Arizona’s Women Artists from 1900-1950
Instructor: Dr. Betsy Fahlman  Cost $12
1 session: Wednesday, Dec. 5
10:30 a.m. – noon | The Lodge

The early resident art community of Arizona was comprised mostly of women; we will examine the varied careers of five talented artists who were transformed by what they found in Arizona. Kate Cory, who came to Oraibi in 1905, moved to Prescott in 1912. Marjorie Thomas arrived in Scottsdale in 1909. Lillian Wilhelm Smith came to the state in 1913 with her cousin by marriage, Zane Grey, and illustrated a number of his books. Jessie Benton Evans settled in Scottsdale in 1923. The 1920s brought Mary-Russell Ferrell Colton, who co-founded the Museum of Northern Arizona in 1928. Other women artists will also be discussed, including architect Mary Jane Colter.

158 | All That Jazz: Religion, Race, and the Great American Songbook
Instructor: Dr. Tracy Fessenden  Cost $12
1 session: Wednesday, Dec. 5
1:00 – 2:30 p.m. | The Lodge

The Great American Songbook, the unofficial list of standards made famous in the big band era and in the repertoires of, say, Nat King Cole, Duke Ellington, Billie Holiday, and Ella Fitzgerald, was the work of largely Jewish composers and lyricists whose songs found their greatest interpreters among largely African-American bandleaders and vocalists. This lecture explores the an epoch time of collaborations between black and Jewish artists. We’ll learn some social history and listen to wonderful music; come prepared to hear your favorites and hum along.

Thursday

159 | Women Artists
Instructor: Allen Reamer  Cost $48
4 sessions: Thursdays, Oct. 11, 18, 25, Nov. 1
10:30 a.m. – noon | The Lodge

Women artists of the past were very rich and famous, but today, they are mostly unknown. We will examine the lives and the artwork of some of these women artists. Some may be familiar to us today, such as Mary Cassatt, Barbara Hepworth, Louise Nevelson, and Georgia O’Keeffe, and some less familiar such as Dutch Baroque painter Judith Leyster, Impressionist Berthe Morisot, and American Impressionist Lilla Cabot Perry. We will begin with the Renaissance and continue until we run out of time.

160 | Understanding Music, From the Inside Out
Instructor: Dr. Guy Whatley  Cost $36
3 sessions: Thursdays, Nov. 8, 15, 29 (no class Nov. 22)
10:30 a.m. – noon | The Lodge

This class will examine the elements that make up music. We will look at rhythm, melody, harmony, timbre, etc. and learn how music is constructed from the inside out. No prior knowledge of music theory is required to take this class. All styles and genres of music will be examined, and we will see how they all share the same fundamental elements.
**161 | The Bernstein Phenomenon: Conductor, Composer, Innovator, Icon, Enigma**  
Instructor: Stephen Crosby  
Cost $12  
1 session: Thursday, Dec. 6  
10:30 a.m. – noon | The Theatre

Stephen Crosby will share an audio and video portrait of the Leonard Bernstein you know, and the Bernstein you absolutely do not know! You will experience his precocious, world-famous conducting, his challenging musical interpretations, the triumphs and failures of his compositions, his lifelong commitment to education in his ground-breaking and erudite style, his conflicted and passionate personal life, his global stardom, and more. Join us as we delve deep into the phenomenal life of Leonard Bernstein.

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**Friday**

**162 | Women in Islam**  
Instructor: Dr. Mirna Lattouf  
Cost $12  
1 session: Friday, Oct. 12  
10:30 a.m. – noon | The Lodge

In the West, the common picture of a Muslim woman is the stereotype of a woman hidden behind a veil: a voiceless, silent figure, bereft of rights. It is a picture familiar to all of us, in large part because this is invariably how Western media currently portrays women in Islam. Dr. Lattouf will take us back to the roles women played from the 7th century pre-Islamic period through Islamic history (Middle East) and the changing discourse on sex/gender identity in the 21st century.

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**163 | The Constitution vs. Donald J. Trump**  
Instructor: Robert McWhirter  
Cost $12  
1 session: Friday, Nov. 9  
10:30 a.m. – noon | The Lodge

As President Trump claims to “Make America Great Again,” he finds himself bumping up against the greatest charter of government on Earth, the United States Constitution. This continues as his presidency progresses beyond the first hundred days, showing no sign of abating. This presentation and question-and-answer session looks at what the United States Constitution really says about what Donald Trump wants to do.

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**166 | Beth Hebrew Synagogue: Resistance, Survival, and Renewal**  
Instructor: Deborah Susser  
Cost $12  
1 session: Friday, Dec. 7  
1:00 – 2:30 p.m. | The Lodge

Learn the extraordinary story of the first Orthodox synagogue in Phoenix. Beth Hebrew was home to a congregation co-founded by Elias Loewy, who rescued more than 1,500 fellow Jews from an internment camp in Vichy France. Constructed in 1955, the building was designed by a self-taught Jewish architect named Max Kaufman, whose attention to mathematical and astrological detail gives the unique structure its charge. From Loewy to Kaufman to Michael Levine, who saved the building from demolition, the people behind Beth Hebrew are proof of the difference one person can make in the world.

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**ASU Foundation Presents:**

**164 | Did Anything Really Change? A Tax Question**  
Instructors: Brian Nielson, Trevor Whiting  
Free  
1 session: Friday, Nov. 9  
1:00 – 2:30 p.m. | The Lodge

Come join ASU Foundation Executive Director of Estate and Gift Planning, Brian Nielson, and his esteemed co-presenters to explore the 2017 Tax Cut and Jobs Act. Learn about the impact of the changes that will (maybe) affect your 2018 tax return. Expect to leave the session with an understanding of what the changes claim to do, and knowledge of what you should discuss with your tax preparer.

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**165 | Strategic Philanthropy**  
Instructors: Brian Nielson, Tiffany House  
Free  
1 session: Friday, Dec. 7  
10:30 a.m. – noon | The Lodge

Come join ASU Foundation Executive Director of Estate and Gift Planning, Brian Nielson, and his esteemed co-presenters in a lively discussion on “smarter charity.” Is there a difference between philanthropy and charity? If so, does it matter? Is there such thing as a bad gift, or a bad way to give? This class will give you an insider’s view of “smart” giving from a tax perspective, from an impact perspective, and from a personal satisfaction perspective.

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**Maravilla Scottsdale**

7325 E. Princess Blvd.  
Scottsdale, AZ 85255  
602.543.6440

Nora Mandel, Coordinator  
Email: nora.mandel@asu.edu  
Website: lifelonglearning.asu.edu/scottsdale

All classes are held in the Lodge at Maravilla, unless otherwise noted.

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**Parking**

Parking is free, but limited, in the parking garage under the Lodge. Signs will direct you to the classroom.

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**Registration**

Register online at lifelonglearning.asu.edu/registration and pay with a credit card, or call the office at 602.543.6440. Registration is required for all offerings and free events.
Head’s Up!
The Inaugural OLLI at ASU Anthology Launch Party
(A free event for OLLI at ASU members)

Saturday, November 10, 2018
7:00 p.m.

Changing Hands Bookstore
300 W. Camelback Rd.
Phoenix, 85013

We’re excited to announce a new publication that will showcase the multi-genre work of OLLI at ASU members, in print this November! Registration for the free event will be sent via email.

The OLLI at ASU Anthology will be available for purchase in November at Changing Hands Bookstore and on Amazon.com.

The Osher Lifelong Learning Institute at ASU presents:

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September 24 - October 1, 2019

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OLLI at ASU welcomes our newest community partner, Lowell Observatory!

At Lowell Observatory, history and science come together! Guided tours of the historic campus give visitors a chance to explore the famous path Clyde Tombaugh took the night he discovered Pluto. Experience the cosmos though widescreen multimedia shows, exhibits, live presentations, and SlipherVision, our immersive space theater. Daily safe viewing of Sun and nightly stargazing are offered during favorable weather.

The mission of Lowell Observatory is to pursue the study of astronomy, especially the study of our solar system and its evolution; to conduct pure research in astronomical phenomena; and to maintain quality public education and outreach programs to bring the results of astronomical research to the general public.

LOWELL OBSERVATORY
DAYTIME TOURS | TELESCOPE VIEWING
OPEN YEAR-ROUND

FLAGSTAFF, AZ
www.lowell.edu | (928) 774-3358

$10 OFF
INDIVIDUAL MEMBERSHIP OR HIGHER

Limit one per person. Membership discount good for one year of membership only. No cash value.
Save the Date!

The 3rd Annual OLLI at ASU Scholars’ Event and Holiday Party
(Two free events for OLLI at ASU members)
Monday, December 17, 2018

Tempe Public Library
3500 S. Rural Rd.
Tempe, 85282

The Scholars’ Event, a potpourri of topics presented by OLLI at ASU members, will start in the morning and end in the early afternoon, and the Holiday Party will take place in the early afternoon.
Parking is free and plentiful.

Register for one or both events at the time of class registration!

Spotlight on South Dakota
May 10 - 16, 2019
For more information, contact Collette at 800-581-8942. Please Refer to Booking #891383 gateway.gocollette.com/link/891383

The Osher Lifelong Learning Institute at ASU presents:

Your OLLI at ASU Staff

Richard C. Knopf
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Sally Underwood
ASU West campus Coordinator
Lois Lorenz
Friendship Village Tempe Coordinator

Karla Burkhart
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Michele Ramsden Coombs
ASU Downtown Phoenix campus Coordinator
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The Bernard Osher Foundation, headquartered in San Francisco, was founded in 1977 by Bernard Osher, a respected businessman and community leader. The Foundation seeks to improve quality of life through support for higher education and the arts.

The Osher Lifelong Learning Institutes, operating on the campuses of 121 institutions of higher education from Maine to Hawaii and Alaska, have a National Resource Center at Northwestern University, visit: nrc.northwestern.edu. Each provides a distinctive array of non-credit classes and activities specifically developed for adults age 50 or older who are interested in learning for the joy of learning.

Please consider a financial donation to support the Osher Lifelong Learning Institute at ASU. For more information, call us at 602.543.6440

Donate online at: asufoundation.org/osher

Thank you!