



# Fall 2017 Class Schedule

# For the Love of Learning

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

**ASU** Osher Lifelong  
Learning Institute  
Arizona State University

[lifelonglearning.asu.edu](http://lifelonglearning.asu.edu)



# Osher Lifelong Learning Institute at ASU

## About Us

The mission of the Osher Lifelong Learning Institute at Arizona State University is to provide university-quality learning experiences for adults ages 50 and over through diverse classes, campus-based learning opportunities, and civic engagement initiatives.

We are a community of engaged learners discovering the joy of lifelong learning at its best . . . no tests, grades, or educational requirements! OLLI at ASU members have the opportunity to grow and learn inside and outside the classroom via campus events, local affinity groups, group discounts to local cultural and art events, and social media networks.

## Membership Benefits

**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
- Connections to the **ASU Alumni Association** offering enrollment in free OLLI lectures, discounts on educational travel trips, and many other perks
- 20% discount off "Individual" membership in **The Arboretum at Flagstaff**
- Discounted admission to the **Heard Museum** – American Indian Art & History – in Phoenix
- Discounted tickets to select shows at **The Nash**, Arizona's jazz performance and educational venue in Downtown Phoenix
- \$30 tickets (\$89 value – seating in the Bronze Tier) to select **Ballet Arizona** matinee performances
- \$20 "student rush" tickets to the **Arizona Opera** season performances and free enrollment in opera previews
- Discounted tickets to **Southwest Shakespeare Company** season performances
- 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**
- Opportunities for educational travel
- Invitations to ASU educational events
- University-quality learning experiences
- Connections to a vibrant higher education institution – Arizona State University

# Five Campus Locations

**W** ASU West campus  
4701 West Thunderbird Rd, Glendale, 85306

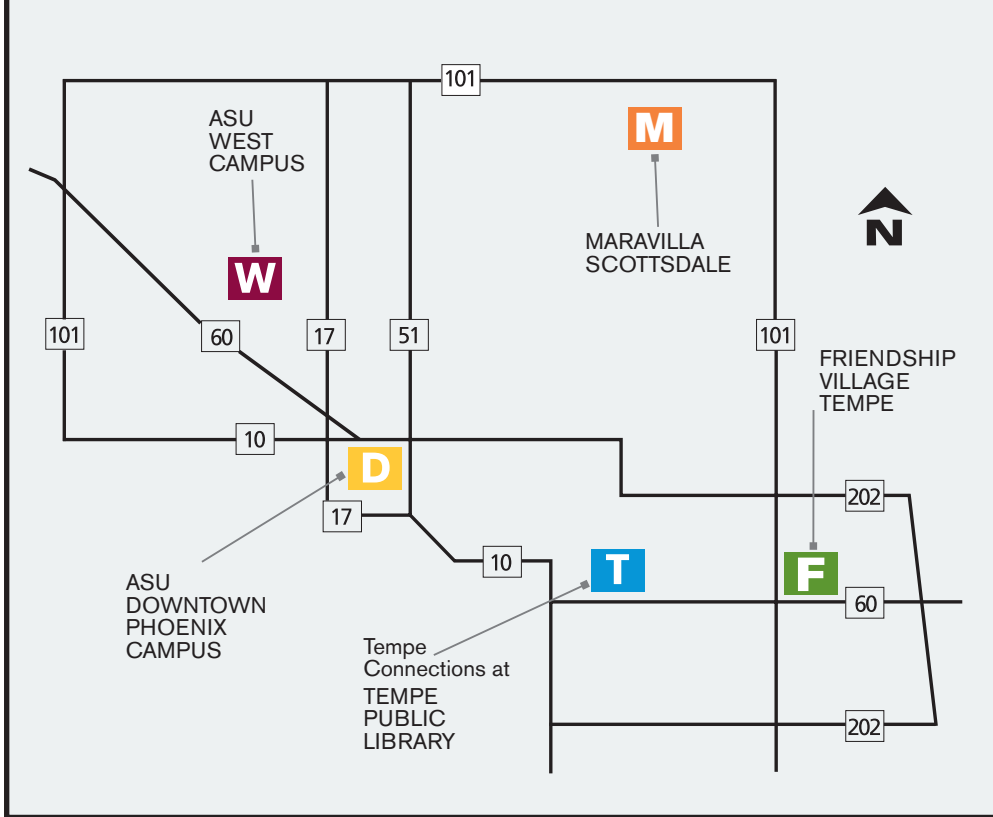
**D** ASU Downtown Phoenix campus  
502 East Monroe St, Phoenix, 85004

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

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

**M** Maravilla Scottsdale  
7325 East Princess Blvd., Scottsdale, 85255

**A** OLLI Affiliate Locations  
can be found on pages 6 and 7.



# 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 Fees

Fees are noted in the class descriptions

## Refund Policy

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

## How to Register

Registration is required for all offerings and free events.

- **Online:** Go to [lifelonglearning.asu.edu/registration](http://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.
  - **By Mail:**  
Mail in your Registration Form\* along with a check payable to "ASU" to:  
Osher Lifelong Learning Institute at ASU  
PO Box 37100  
Mail Code 3251  
Phoenix, AZ. 85069-7100
- \* Registration Form may be downloaded from:  
[lifelonglearning.asu.edu/registration](http://lifelonglearning.asu.edu/registration)  
or requested by calling 602.543.6440

### 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.
- Select to receive your confirmation and class information to be emailed instantly to you.
- Easily add more OLLI classes at a later date.
- Your OLLI 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!



Dear OLLI at ASU Community,

Another new year of learning is upon us! What a thrill it is to present yet another lineup of amazing classes for our beloved OLLI at ASU community! And along with the classes will come many opportunities for you to experience extraordinary cultural events, meaningful volunteer activities, deep friendships, and new ways to serve others!

The possibilities are endless. Truly, lifelong learning is an open door for transforming, life-giving experiences. Your life can be changed!

I wish to thank each and every one of you for your dedication to OLLI. Last year, many volunteers came together to launch our very first OLLI at ASU Scholars event. The event, which showcased the scholarship of our own OLLI members, invigorated our community, and underscored how we are all “co-creators” of our educational journeys. Look forward to more of these events in the coming year, and even the publication of an anthology of your creative works to celebrate our diverse talents – as a growing intellectual and social community!

Without your support and commitment, OLLI at ASU – as we know it today – would not exist. Because of you, we raised \$27,731 last year to expand our course offerings. And we did just that! Your generosity enabled us to increase our course offerings by over 16 percent last year. We were able to offer an additional 40 lectures, courses and workshops – bringing our annual offerings to almost 300 classes! With your continuing generosity, we look to keep the momentum going this year. Each one of you, in your own way, energizes and propels OLLI, moving us forward into new possibilities, new frontiers, and new ways of being exciting about the world around us. Thank you!

Our entire community is indebted to Bernard Osher for his belief in us, our dreams, and our commitment to building exceptional and diverse learning opportunities. We join him in celebrating his 90th birthday this year, and we offer our endless thanks for serving as the greatest role model – the “celebrator extraordinaire” – for lifelong learning, and a life dedicated to the service of others. May we always take a cue from this great man about how to live fully, and be fascinated with all there is to know! And, importantly, how to share with others the fascination of learning all there is to know!

With your continued support, we have much to look forward to in the coming year:

- More classes on our five core campuses
- Classes at new satellite (affiliate) sites
- More travel opportunities
- New instructors and new topics reflecting your interests
- More volunteer opportunities to serve you and your community
- Discounted tickets to our partner arts and culture venues
- The electricity of university experiences
- A great community of fellow learners and friends
- Fantastic, devoted, and caring OLLI at ASU staff.

So welcome, and let us spring into the new academic year . . . with open minds and open hearts!

A handwritten signature in black ink that reads "Richard C. Knopf". The signature is written in a cursive, flowing style.

Richard C. Knopf, PhD, Director  
Osher Lifelong Learning Institute at ASU

# Special Thanks To Our Donors

We gratefully acknowledge the contributions made between July 1, 2016 and June 30, 2017.

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Martha L. Freeman	Pat MacGillivray	Irving and Ruth Rotkowitz	
Donna A. Frisby	Nora Mandel	Susann Ruttenberg	

## Monday

### Arizona Opera Center

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

#### Arizona Opera Previews

Instructors: Arizona Opera experts **Free**  
3 sessions: Mondays, Oct 9, Nov. 6, Jan. 22  
11:30 a.m. – 12:30 p.m.

Osher members are invited to the Arizona Opera Center to preview and learn about upcoming operas: "Hercules vs. Vampires" (Oct. 9), "Tosca" (Nov. 6), "Candide" (Jan. 22).

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

### Deer Valley Petroglyph Preserve

Location: Deer Valley Petroglyph Preserve  
3711 W. Deer Valley Rd., Glendale 85308

#### Presented by the ASU Center for Archaeology & Society

#### Archaeology of the Unseen

Instructors: Dr. Matt Peeples, **Cost \$36**  
Dr. Emily Fiocoprile, and Dr. Katherine Dungan  
3 sessions: Mondays, Oct. 16, 23, 30  
1:00 – 2:30 p.m.

It is easy to envision how archaeologists are able to address questions about relatively concrete practices or processes of prehistoric people, such as construction techniques or diet. However, archaeologists are also often interested in using the artifacts and buildings that prehistoric people leave behind to explore less tangible phenomena such as religion and identity. In this series of talks, we will explore how archaeologists use archaeological data and methods to reconstruct the complex lives of people living in the past. In particular, we will focus on how archaeologists use scientific tools, ethnographic analogy, and related approaches to make robust interpretations of social processes that don't leave unambiguous signatures in the archaeological record. We will rely on examples from both the southwestern United States and Europe.

#### Humans and the Environment

Instructors: Dr. Claudine Gravel Miguel, **Cost \$36**  
Sara Klassen, and Christopher Caseldine  
3 sessions: Mondays, Nov. 6, 13, 20  
1:00 – 2:30 p.m.

Archaeologists use various methods and technologies to study the material remains of cultures throughout the world. The examination of the objects and structures left by people of the past allow researchers to understand daily life, and what external factors may have impacted it. This class examines how the environment has impacted life throughout human history, including the impacts of geography and climate change on hunter-gatherer mobility in Europe, how climate and environments have impacted water management systems in Cambodia, and the use of canals and water systems for irrigation in the American Southwest.



## OneAZ Credit Union

Location: 2355 W. Pinnacle Peak Rd., Phoenix 85027  
RC Robertson Auditorium

### Science and Magic Through the Ages: An Uncomfortable Connection

Instructor: Dr. Hannah Fredrick Cost \$72  
6 sessions: Tuesdays, Oct. 10, 17, 24, 31, Nov. 7, 14  
9:50 – 11:00 a.m.

Science and magic have not always been separate disciplines, and their complex relationship often depends on the political and historical circumstances of time and culture. Their complicated connection runs from a woman martyred for her scientific research in 5th century Egypt, to the Andean shamans forced to align the construction of monumental temples of 15th century Ecuador and Peru. It spans medieval/Early Modern alchemy in Europe, and the alchemists' futile, sometimes revolutionary experiments with the process of transformation/transmutation. The connection continues throughout the Modern period, with differing concepts (Einstein, quantum physics, Ayurvedic medicine) of what is scientific discourse, and what is supernatural. What are the points of divergence between what we now term "science" and "magic," and how did these points vary in the past?

### Innovations in Health: Finding Solutions

Instructor: Dr. Rick Hall Cost \$12  
1 session: Tuesday, Oct. 10  
1:00 – 2:30 p.m.

With technological advances rapidly influencing many aspects of our lives, in a society and time of significant disruptions, we need to find transformative and creative ways to address our health. This session will explore historical, current, and future innovations with a particular focus on health. Participants will be encouraged to propose their own solutions to problems using methods of ideation and innovation.



### From Bach to Rock: Inspiring Great Choreographers

Instructor: Stephen Crosby Cost \$24  
2 sessions: Tuesdays, Oct. 17, 24  
1:00 – 2:30 p.m.

We will explore great dancing from Europe, Asia, South America, and the United States, set to music from the 17th to 20th centuries. Engaging backstories will provide insight on composers, choreographers, and their creative processes. We will examine music and choreography that are recognized masterpieces, as well as some surprises. Selections will include iconic Americana which elicit world-wide standing ovations, a Russian classic which is the epitome of perfection, Latin exuberance inspired by Bach and Nascimento, an absurdist spoof on mayhem in the kitchen, and more. We will experience one of the greatest male dramatic dance roles, sample the work of an American phenomenon, interact with sublime Scarlatti, and delve into a French love-lost fairy tale. Works range from the profound to frivolous, tragic to joyful, romantic to dramatic.

### An American Presidential Dynasty: 1800 to 1840

Instructor: Jay Roth Cost \$36  
3 sessions: Tuesdays, Oct. 31, Nov. 7, 14  
1:00 – 2:30 p.m.

In 1800, Thomas Jefferson went on the 36th ballot in the House of Representatives after a tie vote in the electoral college, and was elected President of the United States. Unlike the administrations of George Washington and John Adams, the new president came with a strong orientation toward states' rights and a limited federal government, and believed in a strict construction of the constitution. This course will explore the philosophy of Thomas Jefferson and his presidency, which became the basis of government for four of the next five presidents. We will explore how this philosophy of states' rights impacted the operations of the administrations of Madison, Monroe, and Jackson. To this day, it impacts our political process and contrasts with those who advocate the need for a stronger central government.







## Why Pro-Choicers Should Take Pro-Life Concerns Seriously

Instructor: Dr. Bertha Manninen

Cost \$12

1 session: Tuesday, Oct. 3

1:00 – 2:30 p.m. | Sands Bldg. Classroom

In the United States, the abortion issue has permeated public discourse, sometimes violently, for over 40 years. Dr. Bertha Manninen has been researching abortion ethics for the past 10 years, and is concerned with finding points of agreement between pro-choice and pro-life advocates in order to build dialogue. In this class, she argues that pro-choice advocates would do well to acknowledge pro-life advocates' concerns about the value of fetal life, and will discuss the possibility of defending abortion choice without dehumanizing nascent human life.

## Arizona Stories: Recent Historical Works on Arizona's Riveting Past

Instructor: Dr. Eduardo Pagán

Cost \$48

4 sessions: Tuesdays, Oct. 17, 24, 31, Nov. 7

1:00 – 2:30 p.m. | Sands Bldg. Classroom

Professor Pagán will share recent studies on little-known, but significant, moments in Arizona history, such as James Brooks's "Mesa of Sorrows" that sheds light on the Indian world before European arrival by looking at the Awat'ovi massacre of Hopis. Linda Gordon's "The Great Arizona Orphan Abduction" 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. Karl Jacoby's "Shadows at Dawn" looks at the tensions behind the massacre of Apache Indians at Camp Grant by a militia of Mexican settlers, American settlers, and their Tohono O'odham allies. Katherine Benton-Cohen's "Borderline Americans" explores the Bisbee deportation of immigrant mine workers (many of whom were European) to Mexico over their activism for labor reforms.

## A Third Helping of Chemistry in the Real World

Instructor: Dr. Kirstin Hendrickson

Cost \$48

4 sessions: Tuesdays, Nov. 7, 14, 28, Dec. 5 (no class Nov. 21)

10:00 – 11:30 a.m. | Sands Bldg. Classroom

If you've taken any of Dr. Hendrickson's "Chemistry in the Real World" classes, you already know that chemistry is more fun, more visible, and absolutely more relevant than you ever thought it could be. Chemistry is nothing less than what happens inside and all around us. How do cells generate energy from the food we eat, and how do we use that energy as we exercise? What are scientists learning about the important role of microbes in human health, and are we unintentionally creating disease and superbugs by using antibiotics to treat infection (and as prophylaxis in animal feed)? When is a health product worth using, and how can we learn to separate the science from the hype? The answers to all these questions are rooted in "real world chemistry."

## "Yeah... But it's a Dry Heat"

Instructor: Dr. Ken Sweat

Cost \$48

4 sessions: Tuesdays, Nov. 14, 28, Dec. 5, 12 (no class Nov. 21)

1:00 – 2:30 p.m. | Sands Bldg. Classroom

Temperatures can soar above 120 degrees in the shade in the Sonoran Desert, and water is rarely available. For the life that calls this and other deserts worldwide home, adaptations to extreme heat and aridity are essential. This class will explore the different strategies employed by both native and exotic desert animals, plants, and an assortment of other organisms. From behavior to biochemistry, the course will study the adaptations that allow desert dwellers to survive, and even thrive, in a dry heat, that to humans feels like a blow torch.

## George Gershwin: His Life and Times

Instructor: Dr. Lou-ellen Finter, Professor Emerita

Cost \$12

1 session: Tuesday, Dec. 12

10:00 – 11:30 a.m. | Sands Bldg. Classroom

George Gershwin is an iconic American composer from the early 20th century known for popular stage and screen numbers, as well as classical compositions. Join us as we listen to a selection of these compositions and learn about some of the historical events that occurred during his lifetime. Some selections will not be heard in their entirety due to time constraints but the essence of the man and his music will be discussed.

## Wednesday

### Overboard: Life Below the Surface

Instructor: Dr. Sian Proctor

Cost \$12

1 session: Wednesday, Oct. 4

10:00 – 11:30 a.m. | Sands Bldg. Classroom

Join Dr. Sian Proctor as she explores life both above and below the surface of the ocean. She will recap what it is like to spend three weeks as a National Oceanic and Atmospheric Administration (NOAA) "Teacher at Sea" in 2017, researching pollock and other creatures pulled from the depths of the Bering Sea. The goal of NOAA is to enrich life through science and work to keep the public informed about the ever-changing environment. So come aboard; things are about to get fishy!

### The New Age of the Confederacy

Instructor: Dr. Donald Sharpes, Professor Emeritus

Cost \$48

4 sessions: Wednesdays, Oct. 4, 11, 18, 25

10:30 a.m. – noon | Sands Bldg. Classroom

This short course, based on the forthcoming book by Dr. Sharpes entitled "The New Age of the Confederacy: Trump and the Surge in National Disunity," will be an analysis of the present American political discord in both the executive and legislative branches of the Trump administration, together with an appraisal of relevant political theories and governable applications to the political climate. The theme of the class is the assertion that the present political situation is the re-emergence of the American Confederacy that proposes the dismantling of federal agencies, policies, programs, and precedents that serve the general public.

## Fostering Civility and Inclusiveness in the Rocky Political and Social Climate of Today

Instructor: Dr. Renee Maday

Cost \$12

1 session: Wednesday, Oct. 4

1:00 – 2:30 p.m. | Sands Bldg. Classroom

Listening is usually the first victim of uncivil discourse. This class will examine how one can get their point across to others without shutting down or putting an end to two-way listening. Individuals will always have disagreements, but careful communication can create an environment of understanding and bring forth commonalities that aid in healing and reveal mutual goals. The thoughtful use of language can be very powerful; fostering civility and inclusiveness can enrich our culture and all of our lives.

## Fundamentals of Color, Paint, and Pigment

Instructor: Allen Reamer

Cost \$48

4 sessions: Wednesdays, Oct. 11, 18, 25, Nov. 1

10:00 a.m. – noon | Sands Bldg. Classroom

Knowing color, pigments, and paints is fundamental to producing quality works of art. After this course, you will know what to look for when buying paints, learn the characteristics of 891 paints, and be able to understand the positive and negative aspects of different types of paint. You will take home a number of reference guides to use in your future paintings. We will be doing extensive color mixing and cover the care and cleaning of your brushes. You can use watercolor, gouache, acrylics, or oils. Note: You do not need a large quantity of paint, so you can share paints with a friend. If you have questions concerning your supplies, please contact Allen at areamer@mindspring.com.

## Paris Art Museums

Instructor: Allen Reamer

Cost \$48

4 sessions: Wednesdays, Oct. 11, 18, 25, Nov. 1

1:00 – 2:30 p.m. | Sands Bldg. Classroom

Paris has over 40 art museums, from the large and well-known Musee d'Orsay to many smaller – and often overlooked – museums. The outskirts of greater Paris also has several art museums. We will discuss works of art and survey the collections of as many museums as time permits. This class does not include the Louvre!

## Welcome to the Future: Designer Humans, Designer Warriors

Instructor: Dr. Braden R. Allenby,

Cost \$48

President's Professor

4 sessions: Wednesdays, Nov. 8, 15, 29, Dec. 6

(no class Nov. 22)

10:00 – 11:30 a.m. | Sands Bldg. Classroom

Accelerating advances in major technology systems: nanotechnology, biotechnology, information and communication technology, robotics, and applied cognitive science, are increasingly turning both the planet, and the human, into design spaces. Some people talk of radical extension of healthy human lifespans to 120 years or more, others of engineered telepathy. In this course, we will explore the implications of an approaching time when virtually everything about the human, from the physical to the cognitive to the psychological, is subject to explicit design. We will put an emphasis on the domain where human engineering is likely to be most evident, and quickly tested, as we discuss the rise of designer warriors.

## To Infinity and Beyond? Women Mathematicians, Scientists, Doctors, and Space Explorers

Instructor: Dr. Pamela Stewart

Cost \$24

2 sessions: Wednesdays, Nov. 8, 15

1:00 – 2:30 p.m. | Sands Bldg. Classroom

Women's contributions to mathematics, science, medicine, and space exploration have a long history. Who made it possible for Isaac Newton's "universal laws" to reach a wider audience? Who was the first "woman doctor" in the Netherlands - and what stigma did that term imply? What did U.S. congressmen think about sending women into space? Come get a glimpse of the attitudes and accomplishments that often prove less visible in this important history.

## Cracking the "Quality of Life" Code

Instructor: Dr. Ralph Vernacchia, Professor Emeritus

Cost \$24

2 sessions: Wednesdays, Nov. 29, Dec. 6

1:00 – 2:30 p.m. | Sands Bldg. Classroom

Based on the perspectives of sport and exercise psychology, and by engaging in small-group exercises and class discussions, students will explore the principles of personal excellence that can enhance one's quality of life. These principles include health, happiness, peace of mind, optimism, and confidence. There will be a presentation and discussion about the topics of self-care, healthy living, positive psychology, spirituality, attitude, and learned optimism.

## ASU West campus

4701 W. Thunderbird Rd.  
Glendale, AZ 85306  
602.543.6440

Sally Underwood, Coordinator  
Email: [sally.underwood@asu.edu](mailto:sally.underwood@asu.edu)  
Website: [lifelonglearning.asu.edu/west](http://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, Visa, or cash to pay. When using cash, the machine is unable to provide change and cannot accept bills larger than \$10. When you register for classes at West campus, you will be given an option for a \$3 discount for each class session to help off-set your parking fees.

**Please remember to pay for your parking when you arrive on the West campus and have your license plate number handy!**

### Registration

Register online at [lifelonglearning.asu.edu/registration](http://lifelonglearning.asu.edu/registration) and pay with a credit card, or call the OLLI at ASU office at 602.543.6440. Registration is required for all offerings and free events.

## Wednesday

### Through Women's Eyes: 20th Century U.S. History

Instructor: Dr. Pamela Stewart

Cost \$48

4 sessions: Wednesdays, Sept. 27, Oct. 4, 11, 18  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

While it may be true that “well-behaved women seldom make history,” women have nonetheless made a lot of history! This course surveys the diversity of women's experiences as they played central roles in creating change. Civil rights, athletics, wartime, art, and even fashion allow us to explore how individuals (famous and not-so-famous) led the way in creating for us a very different nation than the one of 100 years ago. Come discover why women's visibility in history matters.

### Alchemy and Magic: The Supernatural and Scientific in the Renaissance Mind

Instructor: Dr. Sharonah Fredrick

Cost \$48

4 sessions: Wednesdays, Sept. 27, Oct. 4, 11, 18  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

The development of alchemy (the supposed transformation of base metals into gold) became the stuff of legend during the Dark Ages in Europe. But how was this magic, or supposed sorcery, actually connected to the development of science during the Early Modern periods, in the courts of England and Spain? How was the science gleaned from New World civilizations, such as the Maya, incorporated into Western alchemical thought, and what place does alchemy occupy in intellectual history?

### Gender Differences in Communication: Bridging the Gap with Style and Humor

Instructor: Dr. Renee Maday

Cost \$12

1 session: Wednesday, Nov. 29

1:30 – 3:00 p.m. | Mercado, Bldg. C, Room 135

In this class, students will examine miscommunications that tend to occur between men and women due to how they were socialized into different speech communities. A careful look at both feminine speech community norms and masculine speech community norms will foster more fruitful interactions with the other sex. Class discussions will shed light on how the other sex might have good intentions behind what you might consider frustrating communication behaviors.

### A History of Utopias in the New World and Beyond

Instructor: Dr. Sharonah Fredrick

Cost \$48

4 sessions: Wednesdays, Oct. 25, Nov. 1, 8, 15  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

The rumored existence of utopias in the New World became the basis for expeditions of conquest all over the Americas, and brought New World civilizations into violent contact with their European counterparts. How did the cultures of the Americas come to influence the writing of Thomas Moore's *Utopia*? This masterpiece of 16th century writing clearly communicates the clash of cultures that constituted, as Walter Mignolo called it, the “dark side of the Renaissance.” How does this vision of a perfect society transcend national boundaries and lead to destruction?

### Lessons in Personal Morality and Social Order from Sophocles' “Antigone”

Instructor: Dr. Myles Lynk

Cost \$12

1 session: Wednesday, Nov. 1

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

The play “Antigone” dramatizes a challenge to all organized societies: how do we resolve conflicts that arise when an individual is determined to pursue what they believe to be a higher, natural law, even when it conflicts with the social order and collective judgment of society at large? Sophocles guides us through the arguments on both sides, in support of social order and of personal moral choices, to the tragic conclusion when compromise is impossible and the conflict is personal.



### Political Ideologies

Instructor: Dr. Brian Blanchard

Cost \$36

3 sessions: Wednesdays, Nov. 29, Dec. 6, 13

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

What is the difference between a liberal and a conservative? A socialist and a fascist? This course offers an introduction to political ideologies and their unique characteristics. We will identify key features of the belief systems which have shaped political events for over two centuries. In examining these ideologies, we will consider how they originated, how they evolved, and how they affect political events in the United States and across the world.

## Thursday

### The Chemistry of You

Instructor: Dr. Kirstin Hendrickson **Cost \$48**  
4 sessions: Thursdays, Sept. 14, 21, 28, Oct. 5  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

Explore the chemistry that takes place inside you! Forget crouching over a fetal pig in high school biology or the mind-numbing memorization of cellular structures; 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 information we get from the way other people smell, and more, you will gain a new appreciation for the awesome machine of your body, delivered in Dr. Hendrickson's characteristic "often irreverent, always relevant, oh-so-much-fun" style.

### The Natural History of the Sonoran Desert

Instructor: Dr. Ken Sweat **Cost \$48**  
4 sessions: Thursdays, Sept. 14, 21, 28, Oct. 5  
12:30 – 2:00 p.m. | Mercado, Bldg. C, Room 135

From the empty promise of a mirage, to giants that hold their breath whenever the sun is out, to polyandrous raptors, the Sonoran Desert holds many wonders of an extreme environment and the life that lives in it. This course will introduce students to the geology, flora, fauna, and human history of Arizona and the Sonoran Desert. Using information and theories from biology, ecology, geology, and archaeology, this class will explore the adaptations of desert animals, plants, and other life forms, the landscape that set the stage for their evolution, and the human cultures that have called this desert home.

### American Legacies of Wilderness and the National Park System

Instructor: Gregory Hansen **Cost \$24**  
2 sessions: Thursdays, Oct. 12, 19  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

The American concept of wilderness has created legislative safeguards that carry the highest-level of ecological protection, and the concept of "wilderness" has now spread across the globe. The first class session will provide information on how designated wilderness and wildlands differ in management objectives, and how the Gila wilderness in New Mexico gave birth to the dynamic and diverse National Wilderness Preservation System. The second session focuses on the history, geology, and management of the Grand Canyon as seen through the eyes of a former Inner-Canyon patrol ranger while on assignment with the National Park Service.

### A History of the Tango

Instructor: Dr. David Foster, Regents' Professor **Cost \$24**  
2 sessions: Thursdays, Oct. 19, 26  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

In this class we will discuss the tango, a unique cultural contribution of the Argentine culture to global society, which is grounded in a combination of music, dance, and lyrics. With obscure origins, it was first danced in the riverside brothels of Montevideo and Buenos Aires, and Italian and Jewish immigrants made diverse contributions to its originality and popularity. Originally danced between men in the brothels, the tango evolved from a combination of raunchy verses and dance steps into a highly stylized ballroom and songster status in the dance community.

### Great Leaders of Native America

Instructor: Gregory Hansen **Cost \$24**  
2 sessions: Thursdays, Oct. 26, Nov. 2  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

Native peoples in America have produced some of the most renowned military, political, and spiritual leaders known to mankind. Inspired by how these leaders protected their homelands and traditions, this class delves into little-known stories of celebrated leaders such as Geronimo, Crazy Horse, and Wilma Mankiller. The instructor will present a Ponca Starting Song, share traditional tribal stories, and delve into the histories of great Native leaders such as Chief Joseph, Sitting Bull, and Sacagawea.

### Compassion, Fatigue, and Self-Care

Instructor: Denise Beagley **Cost \$12**  
1 session: Thursday, Nov. 2  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

Over 65 million people in the United States are taking care of someone else, and in turn, are not taking the time to properly care for themselves. This class will provide in-class assessments to see what stress you have in your life. You will have the opportunity to individually assess if you have compassion satisfaction, compassion fatigue, or burnout. We will also discuss self-care techniques that will allow for better compassion, care of others, and healthy living.

### Learning to Look at Architecture

Instructor: Allen Reamer **Cost \$48**  
4 sessions: Thursdays, Nov. 9, 16, 30, Dec. 7 (no class Nov. 23)  
1:00 – 2:30 p.m. | Mercado, Bldg. C, Room 135

Are the buildings you admire or observe just buildings, or are they architecture? What is the difference? What do you look at and for? We will learn to look at buildings from a variety of aspects, including architectural elements, artistic elements, function, and aesthetic style. In addition, we will cover historical styles of architecture, using examples from near and far.



This class is dedicated to our beloved OLLI at ASU instructor Debbie Schwartz, who tragically passed away in May 2016.

### The Persistence of Romanticism in Contemporary Culture

Instructor: Dr. Mark Lussier **Cost \$12**  
1 session: Thursday, Nov. 30  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

The period known as Romanticism and the writers of its time continue to exert an animating presence in shaping contemporary culture, and this class will explore the traces of this perennial philosophy in the art, literature, and cinema of our current moment. The most overt trace of this influence remains Mary Shelley's "Frankenstein," along with the novels of Jane Austen, and the art and poetry of William Blake, as they continue to find advocates and aficionados in current culture.

## The Science of Photography

Instructor: Dr. Scott Lefler

Cost \$12

1 session: Thursday, Dec. 7

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

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.

## Friday

### Live a Legacy: Your Talent Is a Treasure

Instructor: Cathy Gaudio

Free

1 session: Friday, Sept. 15

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

At some point we all find ourselves looking for meaningful ways to use our talents to make a difference, but wanting to go deeper than stuffing envelopes. Come learn how to match your passion, skills, and experiences with nonprofit organizations tackling our most pressing social issues. You will learn about the revolutionary movement of "encore" talent changing the face of volunteer engagement, and how nonprofits are creating compelling new opportunities specifically for experienced adults.

### Nuclear Energy and Waste: Considerations for the Future

Instructor: Dr. Jennifer Richter

Cost \$12

1 session: Friday, Sept. 15

12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

We will examine the role of nuclear energy as a means of producing electricity in different national contexts. You will learn about the role of nuclear energy in different states, and why certain states chose to pursue nuclear energy. However, many of these states struggle with the legacy and production of radioactive waste, and we will examine how it is being managed in the United States, France, Sweden, China, and Japan. Finally, using concepts from environmental justice, we will discuss the role of nuclear energy in the future.

**"Dan Fellner is a terrific teacher. It's clear that his professional experience, concise organization, and ability to describe his myriad of travel experiences make him the perfect person to teach this subject. I found the class extremely interesting and informative. Dr. Fellner gave wonderful examples and added plenty of interesting photos and anecdotes so that there was nothing dry or dull about the class!"**

– OLLI at ASU student

## Exploring the Masters of Jazz: Cool Jazz

Instructor: Dr. Jeffrey Libman

Cost \$24

2 sessions: Fridays, Sept. 22, 29

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

We will examine the relaxed, subtle, and hip post-bebop jazz substyle closely associated with the American West Coast. Come learn about the music of Miles Davis, Chet Baker, Gerry Mulligan, Lennie Tristano, Dave Brubeck, and more. The class is intended for jazz aficionados and those who would like to learn more about jazz. Instruments not required! The class will consist primarily of active listening to exemplary recordings with interspersed guided discussion.

### Life Beyond Civilization: Neo-Tribalism, Flow Theory, and Festivity

Instructor: Kevin Wilson

Cost \$12

1 session: Friday, Oct. 6

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

Neo-tribalism is a sociological concept that asserts the belief that human beings have evolved to live in a tribal society, as opposed to mass society, and thus will naturally form social networks that constitute new "tribes." This class addresses the topics of neo-tribalism, flow theory, and festivity. It highlights festivity as an opportunity for tribes to gather and illustrates the notion that festivals are a quintessential leisure environment for human and community development.

### Identity Politics and Poetics: Contemporary Native American Poetry

Instructor: Dr. Rosemarie Dombrowski

Cost \$48

4 sessions: Fridays, Oct. 13, 20, 27, Nov. 3

10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

As Simon Ortiz wrote "Our history is more than here. We know more than realize. / We realize what we don't know. Or want to know. Truths. / Stalk us, just like they found!" This course will explore the cultural narratives, linguistic nuances, and symbolic architecture of the last half-century of indigenous poetry. These poems comprise a history that is rarely seen in print but that is critical to the fabric of the American literary landscape, perhaps even more so today given our country's systemic devaluation of natural resources, tradition, and marginalized peoples.

### Introduction to Travel Writing

Instructor: Dan Fellner

Cost \$48

4 sessions: Fridays, Oct. 13, 20, 27, Nov. 3

12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

Have you ever wanted to share your travel experiences beyond just friends and relatives, and perhaps even get paid for doing so? This course offers an introduction to the exciting field of travel writing. We will hone the skills that travel writers need to get their work published, including research, interviewing, writing compelling leads, story structure, and taking photos to accompany the story. The goal is that students will gain the knowledge and ability to ultimately publish their own travel articles in newspapers, magazines, or on the web.

## Drugs on the Mind: The Art Connection

Instructor: Dr. Jay Braun, Professor Emeritus **Cost \$12**  
1 session: Friday, Nov. 17  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

The lecture will trace views about the causes of mental illness, starting with the ideas of demons in one's head, through the era of "psychosurgery," to the conclusion that mental illness has something to do with brain chemistry. An important supportive clue to the concept of brain chemistry affecting mental wellness came from comparing artistic achievements of mentally ill artists to those of artists on psychedelic drugs. These examples will be illustrated throughout the presentation.



## Craft Workshop: Colorful Wire-Wrapped Bracelets

Instructor: Shari Keith **Cost \$12**  
1 session: Friday, Nov. 17  
12:30 – 2:00 p.m. | Mercado, Bldg. C, Room 135

In this workshop you will create a colorful, textural bracelet that you can wear home! We will cover some basic jewelry-making techniques including wire-wrapping and assembling your finished bracelet. The instructor will provide all necessary tools and materials, including a fascinating collection of beads for you to add to your creation. No jewelry-making experience is necessary, but the project does involve the ability to use pliers. Note: There will be an additional \$7 fee payable to the instructor at the time of the class that covers all materials.

## The Social History of South Africa

Instructor: Dr. Mirna Lattouf **Cost \$24**  
2 sessions: Fridays, Dec. 1, 8  
10:15 – 11:45 a.m. | Mercado, Bldg. C, Room 135

This class will focus on the social history of South Africa, from the first human arrival habitations to 21st century experiences and social settings. The first session will cover the different periods of this region, and will include a discussion about the many peoples who call South Africa home and the Apartheid system. The second session will deal with the struggles and resistance to end the racist and violent Apartheid, and discuss the post-Apartheid situation. Today, in 2017, South Africans are still struggling to agree on their past, define their collective identity, and maneuver around and through 21st century challenges.

## Parasitoids: The Monster Within!

Instructor: Dr. Ken Sweat **Cost \$12**  
1 session: Friday, Dec. 1  
12:30 – 2:00 p.m. | Mercado, Bldg. C, Room 135

This class will look at the lifestyle of parasitoids, which are animals (often wasps) that lay their eggs inside other animals and their young feed off of the host from the inside. We will explore how this relationship evolved using examples of gene capture, behavior modification, and other unique evolutionary events that occur.

## From Bauhaus to Tel Aviv . . . And Your House

Instructor: Dr. Deborah Robin **Cost \$12**  
1 session: Friday, Dec. 8  
12:15 – 1:45 p.m. | Mercado, Bldg. C, Room 135

Even if you never heard of the short-lived Bauhaus art and design school closed by the Nazis in 1933, you will be surprised by how familiar you find their work! Hitler tried to silence its teachers and students, but many fled Germany to spread Bauhaus design innovations around the world. The Bauhaus "modern" style and philosophy still thrives today in architecture, furniture, home goods, toys, graphic design, textiles, and more. With lots of visual examples we'll see how the Bauhaus artists changed the prevailing pre-WWI aesthetic from elaborate to sleek, from intricate to simple, and from ornamental to practical.

## ASU Downtown Phoenix campus

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

Abby Baker, Coordinator  
Email: [ALBaker6@asu.edu](mailto:ALBaker6@asu.edu)  
Website: [lifelonglearning.asu.edu/downtown](http://lifelonglearning.asu.edu/downtown)

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

### Parking

Public and ASU parking lots are conveniently located around the campus. We offer our members discounted parking in Heritage Garage. Contact our coordinator, Abby Baker, at 602.543.6440 for parking information, or relax and enjoy the ride on the light rail or bus!

### Public Transportation

For your convenience, 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](http://valleymetro.org) to plan your ride to campus.

### Registration

Register online at [lifelonglearning.asu.edu/registration](http://lifelonglearning.asu.edu/registration) and pay with a credit card, or call the OLLI at ASU office at 602.543.6440. Registration is required for all offerings and free events.

### Refund Policy

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

We know that you value the high-quality adult education and community-rich experiences that come with your membership in the Osher Lifelong Learning Institute at ASU (OLLI at ASU). Now we need your support more than ever, as we strive to become a fully sustainable operation.

**Your Donation:**

- ✓ Access to great professors at a great price
- ✓ Increase in classes
- ✓ Helps with the annual expense
- ✓ Secures a thriving future for adult education

With your support, we can maintain our OLLI at ASU program scope of excellence, solidifying our strong ASU connection, and look forward to quality adult education and experience for all of us for years to come.

Thank you for being a part of our OLLI at ASU community!

## Yes, I would love to support the growth of OLLI!

Please accept my gift of  \$25  \$50  \$ 100  \$200  Other: \_\_\_\_\_  
 Please accept my recurring gift of \$\_\_\_\_\_ over the course of \_\_\_\_\_ months, starting \_\_\_ / \_\_\_ (mm/dd).

**PAYMENT METHOD**

- My check is payable to the ASU Foundation is enclosed. *Your donation will still go to OLLI at ASU.*
- My gift should be charged to my credit card:  Visa  MasterCard  Discover  AMEX
- Card #: \_\_\_\_\_ Exp: \_\_\_\_\_  
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Name(s): \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_ - \_\_\_\_  
 Address: \_\_\_\_\_  
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**Please mail to the following address:**  
 ATTN: Development Office - Andrea Ramirez  
 ASU College of Public Service and Community Solutions  
 411 N Central Ave., Suite 750, Mail Code 3520, Phoenix, AZ 85004

All funds will be deposited with the ASU Foundation for A New American University, a nonprofit organization that exists to support Arizona State University (ASU).  
 Gifts in support of ASU are subject to foundation policies and fees. Your gift may be considered a charitable contribution.  
 Please consult your tax advisor regarding the deductibility of charitable contributions. 70003708

## Monday

### Maritime Outlaws and Their Legends: Pirates of the Spanish Main, Pacific Rim, North Atlantic, and Indian Ocean

Instructor: Dr. Sharonah Fredrick

Cost \$72

6 sessions: Mondays, Sept. 11, 18, 25, Oct. 2, 9, 16

10:30 a.m. | Connections Program Room

This course will shine a light on global piracy as a male/female and multicultural phenomenon with a deep and layered history. We will contrast many world-pirate legends, the territory those legends convey, and the distortion of historical happenings into pirate myths. We will delve into the varying meanings of rebellion, and how usings are romanticized in different civilizations. Finally, we will analyze the ways in which Celtic, Hispanic, Hindu, African, and North Asian perspectives contributed to the violent, contradictory, and intriguing phenomenon of piracy in the Early Modern Period (1492-1750).



### iPad Band: Learning to Rock and Roll Through Contemporary Media

Instructor: Dr. Melita Belgrave

Cost \$72

6 sessions: Mondays, Sept. 25, Oct. 2, 16, 23, 30,  
Nov. 6 (no class Oct. 9)

Band performance: Nov. 13

1:00 – 2:30 p.m. | Library Meeting Room A, Lower Level

Do you love music? Do you know how much fun it is to be in a band? This new experiential course is for you! We welcome anyone with a love of music and an interest in learning to play music on their iPad. No musical experience is required. Participants will develop a musical repertoire of familiar and unfamiliar rock, popular, and folk songs from the 1950s through today, and will learn to accompany themselves on the iPad using a variety of musical apps. The sessions will include intergenerational experiences with graduate music students from ASU who will assist with arranging, learning, and teaching the songs. The course will culminate with an intergenerational concert on Nov. 13.

**Students will provide their own iPad or tablet.**

**Each student will be contacted by the site coordinator prior to the first session to determine device compatibility.**

### Introduction to World Cinema

Instructor: Dr. Nicholas Butler

Cost \$48

4 sessions: Mondays, Oct. 23, 30, Nov. 6, 13

1:30 – 3:00 p.m. | Connections Program Room

Want to travel the world for the price of a movie ticket? This course is an introduction to formal and cultural issues important to appreciating foreign movies. It is structured to survey global approaches to filmmaking with the assumption that the more we understand film as a means of universal expression, the closer we will come to understanding other cultures. You will work on developing your recognition of formal elements of filmmaking, identifying the socio-cultural context of film productions, and applying critical theory to the interpretation of a film's meaning. We will be discussing Marxism in Russian filmmaking, Neorealism in Italian filmmaking, Modernism in Japanese filmmaking, and Surrealism in Mexican filmmaking.

### The (Super)Natural Stories of the Mc(How)ell Mountains

Instructor: Len Marcisz

Cost \$12

1 session: Monday, Oct. 30

10:30 a.m. – noon | Connections Program Room

Join us (if you dare!) for a special Halloween season presentation to unearth sinister stories and spooky sagas rising from the deep, dark shadows of Scottsdale's McDowell mountains. Creepy critters, blood-sucking vampires, the living dead, restless ghosts, mysterious fires, air disasters, and other sundry tragedies will validate the fact that truth is often stranger than fiction, especially in our desert backyard. Come share a shiver with presenter and ghostly guide Len Marcisz, a McDowell Sonoran Conservancy Legacy Steward and the former president of the Arizona Historical Society.



### What is Socialism?

Instructor: Dr. Brian Blanchard

Cost \$36

3 sessions: Mondays, Nov. 6, 13, 20

10:00 – 11:30 a.m. | Connections Program Room

In last year's presidential race, Bernie Sanders garnered a huge grassroots following while identifying as a "democratic socialist." Many Americans view socialism with skepticism, but opinion polls in the U.S. show that socialism has risen in popularity in the aftermath of the Great Recession. But what, exactly, is socialism? We will examine the concept of socialism by recounting its history and evolution. We will consider how it differs from other ideologies such as liberalism and conservatism, and we will critically examine the proposed solutions that socialists offer to political and economic problems.



## Quantum Physics Part I: The First 100 Years

Instructor: Dr. Richard Jacob, Professor Emeritus Cost \$48

4 sessions: Mondays, Nov. 20, 27, Dec. 4, 11

1:00 – 2:30 p.m. | Connections Program Room

This course is designed for adults who, while not necessarily trained in the sciences, have a sincere curiosity about the universe in which we live and the physical laws which govern it. It is taught at the university general studies level and has no mathematics or physics prerequisites beyond what is ordinarily required for high school graduation. New concepts will be carefully introduced. We will survey the origins, primary concepts, and principle technological advancements of quantum physics. Part II, offered next semester, will review the advancements in quantum physics through the latter half of the 20th century and going into the 21st century.

## Tuesday

### Southwest Shakespeare Company Workshop: “The Complete Works of William Shakespeare (Abridged)”

Instructor: Kent Burnham

Free

1 session: Tuesday, Sept. 12

10:30 a.m. – noon | Connections Program Room

Come experience a workshop that discusses the creation and performance of “The Complete Works of William Shakespeare (Abridged).” The performance that will be discussed at-length covers all 37 plays in 97 minutes by three actors! It has been described as fast-paced, witty, physical, and full of laughter for Shakespeare lovers and haters alike. Discover what makes it so great, and learn all about the production efforts of the Southwest Shakespeare Company.

### American Civil War: Its Causes and Legacy

Instructor: Dr. Jonathan Barth

Cost \$60

5 sessions: Tuesdays, Sept. 12, 19, 26, Oct. 3, 10

1:00 – 2:30 p.m. | Connections Program Room

The Civil War was the most turbulent and impactful event in American history. At stake was the future of a republic, once united, but irreconcilably divided over critical questions including the role of slavery, the impact of the central government, the future of economic development, and competing definitions of liberty. Both sides insisted that they represented a truer and more authentically American vision. How and why did this happen? And what were the ultimate implications? The first two sessions will discuss the beginnings and build-up for the war, the next two will discuss the specific impacts and happenings during the war, and the last session will discuss the implications of the Civil War from the end of the war to today.

### Experimental Films of Francis Ford Coppola

Instructor: Dr. Kevin Sandler

Cost \$60

5 sessions: Tuesdays, Oct. 3, 10, 17, 24, 31

10:00 – 11:30 a.m. | Connections Program Room

This course examines the mid-career films of Francis Ford Coppola through his status as a unique storyteller of the American experience from the 1960s to the 1990s. It focuses on the work of this important filmmaker as a struggle between personal identity, directorial vision, and commercial restraints. Coppola's relationship to family, technology, and American history dutifully informs his filmmaking process and will occupy many of our discussions. We will focus on five films: “The Conversation,” “Apocalypse Now,” “One from the Heart,” “The Outsiders,” and “Rumble Fish.” All of these films will be available as digital files free of charge and students should watch them before class meetings.

## Southwest Shakespeare Company Workshop: “The Three Musketeers”

Instructor: Kent Burnham

Free

1 session: Tuesday, Oct. 10

10:30 a.m. – noon | Library Meeting Room A, Lower Level

Come experience a workshop that discusses the creation and performance of “The Three Musketeers.” The performance that will be discussed at-length covers a tale of heroism, treachery, close escapes, and above all, honor. The play has been described as an exuberant adventure, full of pageantry and a swashbuckling ensemble of lovers and fighters. Discover what makes it so great, and learn all about the production efforts of the Southwest Shakespeare Company.

## News: Fake or Real? How the Distribution of News Impacts Meaning

Instructor: Penny Ann Dolin

Cost \$24

2 sessions: Tuesdays, Oct. 17, 24

1:30 – 3:00 p.m. | Connections Program Room

You see a newspaper headline, or a tweet, or a posting on Facebook. All are referring to the same event or story, but are vastly different in their presentation and conclusions. How do you discern what is true and what is false? Can you? How does the method of news delivery affect its veracity? We will explore ways to vet your news sources and try to get to the truth of a story.

## Art on the Brain

Instructor: Dr. Jay Braun, Professor Emeritus

Cost \$48

4 sessions: Tuesdays, Nov. 7, 14, 21, 28

10:30 a.m. – noon | Connections Program Room

This course offers a neuroscientific perspective on visual art, focusing on both painting and drawing. It is a heavily-illustrated presentation about the role of the brain and the visual system in the production and interpretation of art. Included in the presentation will be a discussion of the ubiquitous collaboration between art and science, using examples like da Vinci, and some influences of neurological disorders and aging on artistic productions. Core topics will feature color, luminance, line, form, depth, and movement from the brain's point of view.

## Wednesday

### Shakespearean Adaptation

Instructor: Dr. Heather Ackerman

Cost \$72

6 sessions: Wednesdays, Sept. 20, 27, Oct. 4, 11, 18, 25

10:30 a.m. – noon | Connections Program Room

Shakespeare's dramas have enjoyed a prolific second life as adaptations; the plot and language of many of his works have been re-envisioned within films, novels, and other plays. Sometimes these adaptations work closely with the original texts, looking to draw parallels to modern circumstances or highlight the timelessness of themes. In other cases, the adaptations challenge the original work or its predominant interpretation in some way; they shift the perspective to less central characters or alter the plotline so as to upset generic expectations. In this six-week seminar, we will interrogate the relationship between Shakespeare's works and these new versions, taking note of what has changed, how such changes impact our interpretation of both the original and adaptation, and how these modified versions impact the cultural value placed on Shakespeare.

## Desert Plants for Edible Landscapes

Instructor: Patti Mathura

Cost \$24

2 sessions: Wednesdays, Oct. 4, 11

1:00 – 2:30 p.m. | Connections Program Room

A bountiful harvest of desert plants have to be limited to a traditional vegetable garden. Many desert-adapted plants commonly used in Arizona landscapes provide edible fruit or vegetables. Used alone or intermingled with more commonly grown vegetables and fruit plants, you can create a tasty and beautiful outdoor setting. An added bonus is that these plants are not nearly as much maintenance, require infrequent watering, and need little or no fertilizer. Seasonal harvests can include delicious and nutritious foliage, flowers, fruits, and seeds!

## Paintbrush and Pen

Instructor: Dr. Kelly Nelson

Cost \$48

4 sessions: Wednesdays, Oct. 25, Nov. 1, 8, 15

1:00 – 2:30 p.m. | Connections Program Room

Come take a virtual tour of a wide range of visual art including works by Edward Hopper, Louise Nevelson, Paul Klee, Andy Warhol, Edvard Munch, and others. Each piece of art will be paired with a poem that was written in response to that exact painting or sculpture. Poets include Billy Collins, Alberto Rios, Adrienne Rich, and Rainer Maria Rilke. This interactive, discussion-based class will inhabit the rich intersection of visual art and poetry.

## Cowboy Artists of America

Instructor: Allen Reamer

Cost \$24

2 sessions: Wednesdays, Nov. 8, 15

10:00 a.m. – noon | Connections Program Room

Three Arizona artists in 1964 decided to form an association in order “to authentically preserve and perpetuate the western life in fine art.” The Cowboy Artists of America association has grown in number of artists, artwork, and interests over the years. The works of the members were exhibited at the Phoenix Art Museum for years. We will examine the lives, paintings, and sculptures of some of these artists. In addition, we will cover the history of the association and the artists these members honored with their work.

## Michelangelo’s Sistine Chapel Ceiling

Instructor: Allen Reamer

Cost \$12

1 session: Wednesday, Nov. 29

10:00 a.m. – noon | Connections Program Room

In this talk you will discover that the Sistine Chapel ceiling paintings are due to unwashed socks! We will take a detailed look at the Sistine Chapel paintings in all of their glory and detail, the reason they were commissioned, and the stories behind the paintings. We will also cover a short history of the Sistine Chapel and Michelangelo’s relationships, feelings, and poetry regarding the painting of the ceiling.

## Thursday

### Four Turning Points: The History of Music in the Western World

Instructor: Dr. David Schildkret

Cost \$48

4 sessions: Thursdays, Sept. 14, 21, 28, Oct. 5

10:30 a.m. – noon | Connections Program Room

This course offers a glimpse into the history of Western art music – what many call “classical” music – from its beginnings in the Roman Catholic Church and the aristocratic households of Europe, to the private homes of the middle class and the concert halls where we encounter it today. We will look at four pivotal moments in the history of Western art music: the origins of harmony in the Middle Ages; the invention of opera in the 17th century; the invention of the piano in the middle of the 18th century; and the invention of recording at the end of the 19th century. Each of these gives us an insight into the nature of music, how it works in our society, and the role of Western art music.

### Dr. Hendrickson’s Potpourri

Instructor: Dr. Kirstin Hendrickson

Cost \$48

4 sessions: Thursdays, Oct. 19, 26, Nov. 2, 9

10:30 a.m. – noon | Connections Program Room

This class defies description! Dr. Hendrickson’s classes have been characterized by students as interesting, packed with information, and entertaining. This time, join us as we create our own whirlwind tour of anything we like; it will be written as we go based upon areas of student interest, things that show up in the news, and topics that pique the teacher’s fancy. 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! Students, this is an exercise in trust. 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. 15.



## Variations on the Lively Experiment II: Religious Diversity in America, 20th Century and Beyond

Instructor: Dr. Keith Crudup

Cost \$60

5 sessions: Thursdays, Nov. 2, 9, 16, 30, Dec. 7  
(no class Nov. 23)

1:30 – 3:00 p.m. | Connections Program Room

The second part of “Variations on the Lively Experiment” will expand upon the “DVD” concept, looking at how disestablishment, voluntarism, and denominationalism have revealed a fascinating interplay between religious tolerance and intolerance, mixed with significant moments of religious engagement, have proven to be major drivers in American religious pluralism. As established in the previous class, the American religious stage has been set, focusing on Christendom and the Protestant Reformations, and we can move onto a discussion of revivalism in the 18th and 19th centuries, politics in the 20th and 21st centuries, the concepts of mainstream unity amidst ever-broadening diversity, and the native, involuntary immigrant, and voluntary immigrant populations that are essential to the religious pluralism of America. What sense can we make of America claiming to be a Christian nation?

## Friday

### Nappy Edges and Goldy Locks: The Race and Gender Politics of Hair

Instructor: Dr. Neal Lester

Cost \$12

1 session: Friday, Sept. 22

10:30 a.m. – noon | Connections Program Room

From Barbie, Britney, and Rapunzel to Pocahontas and Beyonce, Dr. Neal Lester shows how a national controversy was generated around the issue of African American hair in a children’s book, Carolivia Herron’s “Nappy Hair,” and how the issue of hair is central to ideals of beauty and femininity. In this interactive presentation, we will examine the complex racial and gender identity politics of head hair. We will use dolls, folklore, music, literature, advertisements, and commercials to interrogate the extent to which African Americans have and have not moved from internalized problematic notions of “good” and “bad” hair. The instructor has been interviewed locally, nationally, and internationally on this topic. Indeed, the cultural specificity of this talk ultimately reminds that everyone has a hair story that connects us to each other.

### The Colors of Birds

Instructor: Dr. Kevin McGraw

Cost \$24

2 sessions: Fridays, Sept. 29, Oct. 6

10:30 a.m. – noon | Connections Program Room

We will cover the diversity of colors across bird groups, how birds develop and make their colors, and why they evolve different colors. Come learn from an integrative behavioral ecologist how scientists determine what factors control color intensity and the functionality of coloration. Animal colors function in visual communication, but what are they communicating, and why?

## Of Dogma and Desire: Saying What You Believe About the First Amendment

Instructor: Robert McWhirter

Cost \$24

2 sessions: Fridays, Oct. 20, 27

noon – 1:30 p.m. | Connections Program Room

Studying the First Amendment focuses not just our right to speak, but on our right to believe; the First Amendment’s speech and religion clauses are more connected than we think. The beliefs and practices of Persians, Greeks, Hebrews, Romans, and Puritans, to name a few, show that not only have our rights of speech and creed grown, but the concept of freedom as well. We will cover many topics, including: Are we a Christian nation? Is God in the American Constitution? Do we really know obscenity when we see it? What are symbols of religion and speech? What does speech protection look like in times of war?



## Tempe Connections

Tempe Public Library  
3500 S. Rural Rd.  
Tempe, AZ 85282  
480.350.5490

Jolene Gosling, Coordinator  
Email: [Jolene.Gosling@asu.edu](mailto:Jolene.Gosling@asu.edu)  
Website: [lifelonglearning.asu.edu/tempe](http://lifelonglearning.asu.edu/tempe)

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

### Parking

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

### Registration

Register online at [lifelonglearning.asu.edu/registration](http://lifelonglearning.asu.edu/registration) and pay with a credit card, or call the OLLI at ASU office at 602.543.6440. Registration is required for all offerings and free events.

### Refund Policy

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

## Monday

### Four French Films

Instructor: Dr. Ian Moulton

Cost \$48

4 sessions: Mondays, Sept. 18, 25, Oct. 2, 9

1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

This class focuses on some of the greatest French films ever produced. We will discuss four films that span French cinema from the 1940s to the 1970s, and range from high drama to surreal comedy. The films we will study, in order of discussion, include: Marcel Carné's "Children of Paradise" (1945) – a 19th century historical drama often called France's "Gone with the Wind"; François Truffaut's "Jules and Jim" (1962) – a masterpiece of New Wave romanticism; Jacques Demy's "Umbrellas of Cherbourg" (1964) – a symphony of color and music; and Jacques Tati's "Playtime" (1967) – a surreal vision of the craziness of modern urban life.

## Tuesday

### Creation of the American Southwest, 1750 to 2050

Instructor: Dr. Brian Gratton

Cost \$24

2 sessions: Tuesdays, Sept. 12, 19

10:30 a.m. – noon | Village Center, Skirm Auditorium

Professor Gratton links his unique census data on the migration, settlement, and communities of indigenous persons, Hispanic groups, native-born Americans, and immigrants to the American Southwest after the Mexican American War. Part 1: beginning with 1750, he uses sources to reveal a thinly populated area dominated by Indian nations and ravaged by war and slavery. He then surveys the rapid growth of population from 1848-1900 in places like Arizona, through American migration and immigration from Europe and Asia. Part 2: from 1900-1930, mass immigration from Mexico leads to the first widely dispersed Mexican-American communities in the American Southwest. By 1950, the American Southwest had taken on its current character of a highly diverse, ethnically mixed region. Its future depends largely on future immigration trends, demographically and within the community.

### Memoir Writing

Instructor: Patricia Murphy

Cost \$72

6 sessions: Tuesdays, Sept. 12, 19, 26, Oct. 10, 17, 24

(no class Oct. 3)

1:30 – 3:00 p.m. | Village Center, Administrative Conference Room

Whether you are just getting started or in the process of composing your memoir, this class will help you build your understanding of the genre. We will study effective memoir writing to identify and understand successful techniques such as characterization, dominant impression, beginning and ending, dialogue, narration, and description. In-class discussions, writing exercises, and sharing will encourage creativity and improve writing skills. Short online readings will be given to be completed between sessions. Please contact Trish with questions at trishm@asu.edu. Limit: 15.

### Exoplanets: Thousands of New Worlds

Instructor: Dr. Per Aannestad, Professor Emeritus

Cost \$12

1 session: Tuesday, Sept. 26

10:30 a.m. – noon | Village Center, Skirm Auditorium

During the last few decades there has been a veritable explosion in the discovery of extrasolar planets. In particular, the Kepler Mission has led to the conclusion that most stars have planetary systems, including systems with Earth-sized planets in the habitable zones around their parent stars. We will discuss the methods that are used to find exoplanets, and review the properties of the many diverse and interesting new worlds.

### Employment and Earnings Patterns: Past, Present, and Future

Instructor: Dr. Paul Burgess, Professor Emeritus

Cost \$12

1 session: Tuesday, Oct. 24

10:30 a.m. – noon | Village Center, Skirm Auditorium

Education, employment, and earnings obviously are closely interrelated and critically important for individuals and families. These factors also are important for the nation in terms of productivity, the growth of national income, and the ability of the country to meet its obligations for retirement benefits, including Social Security, Medicare, Medicaid, and other government and private programs. What are the patterns observed in the past and present? What might the future patterns be? These issues and questions will be addressed.

## Wednesday

### Othello,

### "One That Loved Not Wisely But Too Well"

Instructor: Cristiane Busato Smith

Cost \$36

3 sessions: Wednesdays, Oct. 4, 11, 18

1:30 – 3:00 p.m. | Recreation ("Rec") Center, Classroom

What makes a Shakespearean character a "tragic hero"? What is it that characterizes a play as a tragedy, and what do we get from reading Shakespeare's tragedies? We will study tragedy by looking at Othello, the story of "one that loved not wisely but too well." We will read key scenes together and discuss plot, themes, imagery, and character. The emphasis will be on understanding Othello within the context of his time and society, while exploring the themes that speak to a modern audience.

### The Afterlives of Lady Macbeth and Ophelia

Instructor: Cristiane Busato Smith

Cost \$12

1 session: Wednesday, Nov. 8

1:30 – 3:00 p.m. | Recreation ("Rec") Center, Classroom

Ophelia and Lady Macbeth can be considered opposites: Ophelia is usually associated with innocence and purity, and Lady Macbeth is connected with guilt, ambition, and manipulation. Despite their different attributes, both are linked in their descent into insanity and death. These two characters have both transcended the space of the fictional texts they inhabit to become models of femininity. Using popular culture and the visual arts, we will examine what cultural contexts prompted this intriguing phenomenon.

## Picasso: His Life, His Women, His Art

Instructor: Allen Reamer

Cost \$24

2 sessions: Wednesdays, Nov. 15, 29

1:00 – 3:00 p.m. | Village Center, Private Dining Room

Picasso is often viewed as producing “wild” or “odd” paintings that are sometimes not overly appealing to the viewer, and some find his work lacking talent, but he painted his life from his perspective. We will look at his art, discover his early drawing skills, and discuss his painting cycles including his blue period, his pink period, his cubist period. We will also look at the eight leading women in his life. We will begin with his birth and continue until we run out of time.

## Thursday

### Violin vs. Fiddle: What’s the Difference?

Instructor: Dr. Ronald Rutowski, Professor Emeritus Cost \$12

1 session: Thursday, Sept. 14

1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

Musical performers are often asked what the difference is between a violin and fiddle. We will explore this question by comparing and contrasting the structure of violins and fiddles and the ways they are played. This will be done with images, the display of instruments, and performances of violin and fiddle music. The instructor has been active for over 40 years in the music scene in Arizona as a violinist and a fiddler, playing with local country, bluegrass, and jazz groups. In the 1980s and 1990s, he served as a sideman in Glen Campbell’s band.

### Cuba: A Study in Contradictions

Instructors: Dr. Gary Kleemann, Professor Emeritus, Cost \$24 and Dr. David Pearson

2 sessions: Thursdays, Oct. 26, Nov. 2

1:30 – 3:00 p.m. | Village Center, Private Dining Room

The island nation of Cuba has many varying facets, perspectives, and interests; the presenters separately visited Cuba in the past two years, studying different areas of interest. Gary Kleemann will share his perspectives on the cultural and political aspects of Cuba. There is a repressive Communist regime, but health care and cultural institutions are accessible to all, and the education system is first-rate. Dave Pearson will discuss Cuban biodiversity and conservation. His trip was aimed at studying and observing the tremendous diversity of avian species that are endemic to the island and the high-priority conservation efforts in Cuba, despite American blockades preventing funding.

## Friday

### The Arizona Constitution

Instructor: Dr. Brian Blanchard

Cost \$48

4 sessions: Fridays, Sept. 15, 22, 29, Oct. 6

1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

How much do you know about the Arizona Constitution? How does it differ from the United States Constitution? We will review the origins and characteristics of the Arizona Constitution as we attempt to better understand the government of Arizona. In many ways, your state government has more of an effect on your life than the federal government. We will consider the pros and cons of Arizona’s constitutional design with special attention to “direct democracy” features such as initiative, referendum, and recall.

## Civil Communication

Instructor: Jennifer Linde

Cost \$24

2 sessions: Fridays, Sept. 29, Oct. 6

10:30 a.m. – noon | Village Center, Private Dining Room

In order to be a civil communicator, one must know what civility is and what it is not, especially in today’s climate, where it is easier to point to examples of incivility rather than civil behavior. This seminar focuses on the communication skills necessary to achieve civility, including civil listening skills. Attendees will practice civility exercises and learn new contexts for applying the skills of civil communication.

## A History of Slavery in Old and New Worlds: The Dark Side of the So-Called “Renaissance”

Instructor: Dr. Sharonah Fredrick

Cost \$48

4 sessions: Fridays, Oct. 20, 27, Nov. 3, 10

1:30 – 3:00 p.m. | Village Center, Skirm Auditorium

The use of the term “Renaissance” to describe the bridge between the Middle Ages and modern history is highly questionable and culturally biased; it excludes the religious persecution, colonialism, and exploitation that characterized that era. The so-called “Renaissance” was the period of the most massive slave transports and the deaths of over 10 million people between West Africa, the New World, and Asia. What lies behind this period that was so glorious for European sovereigns, and so bitter for the rest of the world’s people?

## From Kiev to Kosovo: Eastern Europe’s Fascinating Culture

Instructor: Dan Fellner

Cost \$36

3 sessions: Fridays, Nov. 10, 17, Dec. 1

10:30 a.m. – noon | Village Center, Private Dining Room

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.

## Friendship Village Tempe

2645 E. Southern Avenue  
Tempe, AZ 85282  
480.831.3303

Lois Lorenz, Coordinator  
email: [Lois.Lorenz@asu.edu](mailto:Lois.Lorenz@asu.edu)  
Website: [lifelonglearning.asu.edu/village](http://lifelonglearning.asu.edu/village)

All classes are held at Friendship Village unless otherwise noted.  
See class descriptions for room locations.

### Parking

Free parking is available at the front and side of the Village Center. Limited free parking is available in front of the Recreation Center. For classes held at the Recreation Center, you may park at the Village Center and take a free, regularly running tram round trip.

## Monday

### Shoot-Out at the O.K. Corral

Instructor: Dr. Donald Fixico

Cost \$12

1 session: Monday, Oct. 9

10:30 a.m. – noon | The Lodge

At about 3:00 on a cold October day in 1881, in the mining town of Tombstone (a part of the southern Arizona territory) a gunfight occurred near the O.K. Corral. There were four men on the side of the law: Wyatt Earp, Morgan Earp, Virgil Earp, and Doc Holliday. They shot it out with five outlaws known as cowboys: Ike Clanton, Billy Clanton, Frank McLaury, Tom McLaury, and Billy Claiborne. Guns fired! In 30 seconds, three men were killed, two wounded, and one was grazed by a bullet. This session uses the shoot-out part of the movie "Tombstone" to show the myth and reality of history, and why this 30-second episode has influenced how we have imagined the West for years.

### The Constitution of 1789, Immigration, and Citizenship

Instructors: Dr. Brian Gratton,

Cost \$12

Dr. Catherine O'Donnell

1 session: Monday, Oct. 9

1:00 – 2:30 p.m. | The Lodge

What did the Founding Fathers think about immigration and what did they do about it? And for that matter, what did the Founding Mothers think and do about it? This session introduces students to the immigration debates of the Revolutionary and early national periods, reviews the history of immigration to the colonies and the young nation, and looks at the records of early Americans for their views and actions on immigration and citizenship. It concludes with a telescoping of the subsequent history of constitutional law, immigration, and citizenship. What has changed in constitutional and judicial views of immigration and citizenship since the original frame was set in 1789?

### How Modern Art Started: Post-Impressionism

Instructor: Dr. Deborah Robin

Cost \$24

2 sessions: Mondays, Oct. 16, 23

10:30 a.m. – noon | The Lodge

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-Impressionist artists 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 by the millions.

### Writing Across Time: Memory, Present Experience, and Looking Forward

Instructor: Dr. Sally Ball

Cost \$36

3 sessions: Mondays, Oct. 23, 30, Nov. 6

1:00 – 2:30 p.m. | The Lodge

We will consider how point-of-view and time reveal a speaker's relationship to their material. We will use the lens of poetry to see how writers work with time: memory will be our focus during the first session, "our moment" (both personally and culturally) will be the focus of the second session, and into the future will be explored in the third. We will ask: "Is this a contemporary adult perspective on a childhood experience, or is it a child's perspective anchored in history?" If, as Anne Carson says, "every accuracy must be invented," what does that mean about writing our own stories? How does a writer come to terms with accuracy and with invention?

### Lilith: The Legendary First Wife of Adam Before Eve

Instructor: Marcie Schoenberg Lee

Cost \$12

1 session: Monday, Oct. 30

10:30 a.m. – noon | The Lodge

The extra-biblical character of Lilith, known as being the first wife of Adam, has been idolized as an advocate for equality and demonized as an agent of death. We will explore shocking and radically different portrayals of Lilith in art and texts across the ages. Is she an ancient demon, a goddess, or a dark deity? Come see what the imaginations of writers, artists, and poets have created her into, and learn about her convoluted and mysterious origins.

### The Timeline of the Early Solar System

Instructor: Daniel Dunlap

Cost \$12

1 session: Monday, Nov. 6

10:30 a.m. – noon | The Lodge

Meteorites are the only testable means of studying processes that were prevalent in the early solar system, and they are one of the key pieces of information explaining when major events took place. These timestamped bits of information can tell us much about the activities that led us to our present-day solar system. Scientists use geochronometers, which are timekeepers used to determine the ages of objects; in this class, we will discuss how geochronometers work, which ones work best (and why), and what information they tell us. The earliest solids that condensed from the gas cloud, the formation of giant planets, and even Earth's evolution can all be dated using the techniques we will discuss.



## Dry, Drier, Driest: How Will the Desert Respond to Changing Climates?

Instructor: Dr. Heather Throop

Cost \$12

1 session: Monday, Nov. 13

10:30 a.m. – noon | The Lodge

Desert and semi-desert environments cover nearly half of the world's land surface. Organisms living in these harsh environments must battle to survive extreme conditions. Are desert organisms likely to thrive under future climate change? Or, are they already pushed to extremes and particularly vulnerable to climate change? What role might deserts play in affecting climate change? Join Dr. Heather Throop, who specializes in climate change and arid environments, to explore what we know (and are still discovering) about Earth's driest places, including deserts in Australia and southern Africa, and our own Sonoran Desert.

## Exotic Asia: A Travelogue on Where to Go and What to See

Instructor: Dan Fellner

Cost \$24

2 sessions: Mondays, Nov. 27, Dec. 4

10:30 a.m. – noon | The Lodge

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, and Indonesia.

## Tuesday

### Are You Telling Me That Ants Communicate?

Instructor: Dr. Bert Hölldobler

Cost \$12

1 session: Tuesday, Oct. 10

10:30 a.m. – noon | The Lodge

Arizona is one of the best places in the United States to study ants. Some consider it a sanctuary of and for variety: there are army ants, leaf cutters, harvesters, honey pot ants, and ants the size of chia seeds, whose entire colony fits in an acorn! The remarkable ecological success of social insects, and in particular of ants, is based largely on two key features of insect societies: cooperation and communication. Cooperation and division of labor is not possible without communication, and in fact, the communication systems in ants are very diverse. Neighboring societies "negotiate" territorial boundaries by collective communication, territorial pheromones, and assessment signals. Join world-premier sociobiologist, Dr. Hölldobler, as he shares with us the communication, cooperation, and conflict in ant societies.

### Northern Lights: Myth and Science

Instructor: Dr. Per Aannestad, Professor Emeritus

Cost \$12

1 session: Tuesday, Oct. 10

1:00 – 2:30 p.m. | The Lodge

The northern lights (the Aurora Borealis) is an amazing and colorful natural phenomenon. Many myths have been spun about its origin, and only recently have we gained a scientific understanding of its dynamic appearance takes place. The lecture will show through photos and videos how our explanations for this light show have changed over time, including an emphasis on the "Sun-Earth connection."

## Black Quotidian: A Digital Approach to African-American History

Instructor: Dr. Matthew Delmont

Cost \$12

1 session: Tuesday, Oct. 17

10:30 a.m. – noon | The Lodge

How much do you know about African-American history? Most people know about Martin Luther King Jr. and Rosa Parks, but there are millions of fascinating stories, people, and events that are not commonly featured in textbooks, documentaries, or Black History Month celebrations. "Black Quotidian" (blackquotidian.com) is a website that Dr. Delmont created to research and share these lesser-known aspects of African-American history. This presentation will highlight interesting stories found through the course of research, and we will discuss why it is important to look at history as something that unfolds on a daily basis.

## Women of the Ancient World

Instructor: Dr. Sarah Bolmarcich

Cost \$12

1 session: Tuesday, Oct. 17

1:30 – 3:00 p.m. | The Lodge

The women of the ancient world were not just "goddesses, whores, wives, and slaves," but were often powerful political, cultural, and economic influences that were essential to the functioning of the societies of Greece and Rome. How much power did women have? The answer might surprise you!

## From Desert Varnish to Dead Cacti: The Science of Our Desert

Instructor: Dr. Laurence Garvie

Cost \$24

2 sessions: Tuesdays, Oct. 24, 31

10:30 a.m. – noon | The Lodge

In this two-part class, we will explore five separate scientific investigations of the desert surrounding the Phoenix metropolitan area. First, we will discuss desert varnish: what is it and how did it form? Then we will talk about the mineralogical complexity of dead cacti and its relationship to the desert and its inhabitants. Next, we will explore fire, mesquite, and fungi, including the story of a strange and poisonous chemical. We will finish our discussion focusing on lichens and survival in extreme environments and fire, ash, and element cycling. The goal of the class is to tie these disparate scientific investigations into an overall theme of biotic and abiotic element cycling through our arid environment.

## Astrology and Shakespeare at the Court of Elizabeth Tudor

Instructor: Dr. Sharonah Fredrick

Cost \$72

6 sessions: Tuesdays, Oct. 31, Nov. 7, 14, 28, Dec. 5, 12

1:00 – 2:30 p.m. | The Lodge

Early Modern England, in the second half of the 16th century, was a land exploding with competing and vivid conceptions of life. We will discuss the visions of John Dee, a royal sage and sorcerer for the court whose philosophical focus was Amurian and astrological. The way Shakespeare created three-dimensional images of human beings will be contrasted with the more stereotyped, but poetically lovely, creations of Christopher Marlowe. Images of the New World and its peoples that ranged from the ludicrous to the sympathetic will be explored, along with a discussion of the ever-present threat of invasion from Philip II's imperial Spain. How were these different images of reality reflected in Shakespeare's plays?

## Innovations in Health: Finding Solutions

Instructor: Dr. Rick Hall

Cost \$12

1 session: Tuesday, Nov. 7

10:30 a.m. – noon | The Lodge

With technological advances rapidly influencing many aspects of our lives, in a society and time of significant disruptions, we need to find transformative and creative ways to address our health. This session will explore historical, current, and future innovations with a particular focus on health. Participants will be encouraged to propose their own solutions to problems using methods of ideation and innovation.

## Enterprise Space: Should Humanity Move Off-Planet?

Instructor: Dr. Peter Swan

Cost \$36

3 sessions: Tuesdays, Nov. 28, Dec. 5, 12

10:30 a.m. – noon | The Lodge

Elon Musk announced he would create an interplanetary spaceship to place 100,000 people on Mars in his lifetime. Mars One wants to offer one-way trips to Mars for their members. Jeff Bezos has offered to deliver Amazon packages to the surface of the Moon. The European Space Agency is contemplating a Moon Village, and NASA is rediscovering the Moon. Where are we going and why? The commercial imperative will determine how, or even if, humanity should move off-planet. The changes in thinking brought on by space billionaires is a remarkable phenomenon of the 21st century. Space resource utilization, creative funding, and determination will change the way humans leave planet Earth. The future will be a remarkable display of the power of innovation and invention.

## Wednesday

### What is Jazz, and How Do I Listen to It?

Instructor: Dom Moio

Cost \$48

4 sessions: Wednesdays, Oct. 11, 18, 25, Nov. 1

10:30 a.m. – noon | The Theatre

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.”



## Am I Pre-Diabetic?

Instructor: Dr. Donna Cataldo

Cost \$12

1 session: Wednesday, Oct. 18

1:00 – 2:30 p.m. | The Lodge

Prediabetes is a wake-up call that you are on the path to diabetes. If you have it, like 86 million other Americans, your blood sugar level (glucose level) is higher than it should be, but not yet in the diabetes range. The good news is that it is not too late to make positive lifestyle changes! Eating healthy food, losing weight, staying at a healthy weight, and being physically active can help you bring your blood sugar level back into the normal range. This lecture will discuss what you can do now to help yourself stay healthy.

## Tracking a Killer: The Origins and Evolution of Tuberculosis

Instructor: Dr. Anne Stone, Regents' Professor

Cost \$12

1 session: Wednesday, Oct. 25

1:00 – 2:30 p.m. | The Lodge

Tuberculosis (TB) has now surpassed HIV as the leading cause of death from infectious disease. TB has long been a scourge of humans, but how long, as well as the relationship of pre-Columbian TB in the Americas to TB strains in the rest of the World remain major questions. Ancient DNA allows us to examine the history of Mycobacterium tuberculosis, through time, focusing on the distribution of TB strains in humans in order to understand their relationships, assess patterns of pathogen exchange before and after the Age of Exploration, and investigate how TB has adapted to humans and other animals.

## Wildfires in the West: Good or Bad

Instructor: Dr. Paul Hirt

Cost \$12

1 session: Wednesday, Nov. 1

1:00 – 2:30 p.m. | The Lodge

Wildfire can be a frightening phenomenon, especially in Arizona with the recent deaths of the Granite Mountain Hotshot firefighters near Prescott. Due in part to climate change, wildfires in the western part of American in recent decades have become larger, more frequent, hotter, and more destructive. Yet fire is a normal and necessary component of the biophysical landscape of the west. Some ecosystems cannot survive without it. Fire has always been and always will be with us! This lecture looks at a hundred years of history, policy, and practice regarding western wildfires and suggests constructive ways of understanding and living with it.

## The Future of American Politics

Instructor: Dr. Donald Critchlow

Cost \$24

2 sessions: Wednesdays, Nov. 8, 15

10:30 a.m. – noon | The Lodge

The British historian Eric Hobsbawm declared that the time from 1789 to 1914 was the “long 19th century.” This time was so interesting due to the profound warfare that served as bookends to the period, juxtaposed with what people generally acknowledge as a time of peace in Europe. Yet, this entire era in history was transformative and bloody, as nationalism and radical political ideologies came to age alongside the dramatic movements of people all across the globe. This course will try to focus on some of the most important ideological and political events that marked this century with an eye towards better understanding our current world.



## The Solar Energy Revolution: Why It's Coming Faster Than Anyone Expected and How It Will Change Our World

Instructor: Dr. Paul Hirt

Cost \$12

1 session: Wednesday, Nov. 15

1:00 – 2:30 p.m. | The Lodge

Every so often, innovative technologies disrupt and transform entire industries, stimulating profound changes in business and daily life. Consider the impact of computers and mobile smart phones. Today, we are in the midst of an energy revolution more profound than any we have experienced since the invention of electricity. The old, reliable fossil fuel electric system is being fundamentally transformed by rapidly falling costs for solar panels, wind turbines, and high-efficiency batteries. The electric car revolution is accelerating this trend. Paul Hirt explains the characteristics, causes, and likely consequences of this exciting energy transition that is sweeping the world.

## Age of Empire: Europe in the World

Instructor: Dr. Robert Niebuhr

Cost \$36

3 sessions: Wednesdays, Nov. 29, Dec. 6, 13

10:30 a.m. – noon | The Lodge

This three-session class will examine some of the important aspects of European colonies from roughly the middle of the 19th century until the eve of World War I. We will look at the internal dynamics of the colonizers, the plight of the colonized, and the consequences within the field of international relations. These colonies were seen as economic necessities but also grew into a source of pride for the colonizing peoples. Class discussions will look at ideology, economics, technology, and politics with an emphasis on Great Britain, France, Germany, and the United States.

## New Views of the Ancient City of Teotihuacan, Mexico

Instructor: Dr. Michael E. Smith

Cost \$12

1 session: Wednesday, Dec. 6

1:00 – 2:30 p.m. | The Lodge

Archaeological fieldwork at the ancient city of Teotihuacan in Mexico shows that it was both an advanced and very unusual ancient city. Teotihuacan was one of the largest cities in the world in the 5th century. Excavations and mapping by many universities (including ASU) reveal a city without traces of a king, yet ample evidence of widespread prosperity and wealth. This was the most heavily planned ancient American city and the capital of a small empire, yet it lacked fundamental ancient Mexican traits like ballcourts. Teotihuacan was held in such high regard and prestige that the kings of distant Maya cities dressed up like Teotihuacan figures. In this lecture, we will discuss the latest findings and try to make sense of this fascinating and enigmatic city.

## Thursday

## Myths and Legends of the Solar and Lunar Gods and Goddesses: From Ancient Peru to the Basque Country

Instructor: Dr. Sharonah Fredrick

Cost \$24

2 sessions: Thursdays, Oct. 12, 19

10:30 a.m. – noon | The Lodge

This course focuses on the theory proposed by anthropologist Rebecca Carrion regarding the different natures of solar and lunar gods in world mythology. We will explore some of the most interesting and not always widely discussed legends, including the pre-Incan peoples of Peru, the Basque villages of northern Spain, Celtic areas in northern Europe, and medieval Britain, to explore how and why solar gods have symbolized imperial expansion in human history, and why lunar deities, in particular the feminine ones, offered a different vision of social, military, and spiritual engagement. Are these symbolic structures still reflected today in modern-day political structures, and how?

## Neuroscience and Artistic Expression: Paintings Through the Eyes and Brain of the Artist

Instructor: Dr. Jay Braun, Professor Emeritus

Cost \$12

1 session: Thursday, Oct. 26

10:30 a.m. – noon | The Lodge

Picasso once said “what I see is what you get.” What role do visual and neurological problems have in artist expressions? Are there insights into visual issues such as macular degeneration or neurological issues such as schizophrenia that may be revealed by analyzing paintings and drawings of great artists such as Claude Monet, Rembrandt, and others? To what degree might mental problems be reflected in artistic products? Join us as we look at art in a whole new way!

## Mozart: Prodigy to Pauper

Instructor: Scott Youngs

Cost \$12

1 session: Thursday, Nov. 2

10:30 a.m. – noon | The Lodge

Hear the story of this child prodigy's career as he moved from the clutches of his father to various members of royalty and church clergy. As a musician of the time, his success or failure was at the whim of others. Having a patron meant food on the table, and losing one meant going back on the road in search of support. Marriage was often a contract, and “suitability” meant appropriate access to those with money. Pianist Scott Youngs will take you on a piano journey of Mozart's music, as well as a discussion of the ups and downs of his life.



## Toulouse-Lautrec, Marc Chagall, and Georgia O'Keeffe: Their Art and Lives

Instructor: Allen Reamer

Cost \$48

4 sessions: Thursdays, Nov. 9, 16, 30, Dec. 7

10:00 a.m. – noon | The Lodge

We will discuss the art and lives of three distinct artists: Toulouse-Lautrec, Marc Chagall, and Georgia O'Keeffe. Toulouse-Lautrec's life was as unconventional as his art; we will examine both in detail, looking at how his childhood affected his life as an adult and art. Marc Chagall was a multi-dimensional artist who produced paintings, drawings, stained-glass windows, prints, ceramics, and tapestries. His images were dream-like, almost surrealistic, representations of his childhood village in Belarus, religious figures, and his life. We will also discuss Georgia O'Keeffe's life and art, year by year. We will see when, where, why, and how her painting style changed over the course of time. You will discover how sickness influenced her life at critical times and how specific people helped her career.

## Friday

### “Are You Talkin’ to Me?” The People of the 10th Amendment

Instructor: Robert McWhirter

Cost \$12

1 session: Friday, Oct. 13

10:30 a.m. – noon | The Lodge

“We the People” are the first words of the Constitution of the United States of America; the 10th Amendment of the Bill of Rights establishes the rights of “the people” of America. However, determining who “the people” are can be tricky: African Americans, Native Americans, women, Catholics, and people from lower socioeconomic conditions were not included as part of that group in 1789. The presentation traces American slavery, hypocrisy, Federalism, and the struggle for freedom to show how the people of America fought for the right to be “the people” of the Constitution.

### Art of the Internment Camps: Culture Behind Barbed Wire

Instructor: Dr. Betsy Fahlman

Cost \$12

1 session: Friday, Dec. 15

1:00 – 2:30 p.m. | The Lodge

President Franklin Delano Roosevelt's 1942 Executive Order 9066 during WWII forced the removal of nearly 125,000 Japanese-American citizens from the west coast of America, incarcerating them in 10 remote internment camps in seven states: Arizona, Arkansas, California, Colorado, Idaho, Utah, and Wyoming. Government photographers Dorothea Lange, Russell Lee, and Ansel Adams documented the internment, and artists Toyo Miyatake, Chiura Obata, Isamu Noguchi, Henry Sugimoto, and Miné Okubo made powerful records of camp life. Arizona's two camps, Gila River and Poston, were among the largest, and this chronicle illuminates an important episode of state history, one grounded in national agendas driven by prejudice and fear.



## Maravilla Scottsdale

Maravilla Scottsdale

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

### Parking

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

### Registration

Register online at [lifelonglearning.asu.edu/registration](http://lifelonglearning.asu.edu/registration) and pay with a credit card, or call the OLLI at ASU office at 602.543.6440. Registration is required for all offerings and free events.

### Refund Policy

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

## Your OLLI at ASU Faculty

OLLI at ASU is doing its part to conserve resources, reduce operating costs, and support **ASU's Green Office Program**, so we now have our **Instructor Bios** available for you to view on our website at [lifelonglearning.asu.edu/curriculum-instructors](https://lifelonglearning.asu.edu/curriculum-instructors).

**ASU's Green Office Program:**

<https://sustainability.asu.edu/operations/what-you-can-do/>

Questions? Email [lifelonglearning@asu.edu](mailto:lifelonglearning@asu.edu) or call 602.543.6440.



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## The Bernard Osher Foundation

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 120 institutions of higher education from Maine to Hawaii and Alaska, have a National Resource Center at Northwestern University, visit: [nrc.northwestern.edu](http://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.



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Thank you!