

# for the love of learning

University-quality, non-credit short  
courses and lectures for students 50+

spring 2014  
course schedule



- ASU West campus
- ASU Downtown Phoenix campus
- Tempe Public Library
- Friendship Village Tempe
- Maravilla Scottsdale

**ASU** Osher Lifelong  
Learning Institute  
ARIZONA STATE UNIVERSITY

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



# Abundant Aging and Longevity Event

*Thrive on the Insights of Leading Scholars!*

- Join us for exclusive fast-paced presentations by top researchers that expand your understanding of abundant aging and longevity
- Enjoy additional festivities that make up our OLLI at ASU community

**Dr. Eric Reiman**

CEO, Banner Research

“Creating Breakthroughs in Alzheimer’s Prevention Research”

What will it take to evaluate the range of promising but unproven Alzheimer’s prevention therapies?

**Dr. Michael Birt**

Director, Center for Sustainable Health, ASU

“Staying Alive and Healthy: Digital Health Meets Analog Health”

While advances in digital health have produced astonishing “apps” for healthy aging, there are no “apps” for personal support. How do we bridge the gap?

**Dr. David Coon**

Associate Vice Provost for Research

Collaborations, ASU

“Buck Up, Boomers!”

Rethinking family caregiving in order to bolster your own life as well as the well-being of your loved ones.

**Dr. Heather Bimonte-Nelson**

Program Director, Behavioral Neuroscience, ASU

“A Trip Down Memory Lane: The Science of Hormones and Remembering”

Unlike aging, learning and memory changes are not ineluctable. How can hormones be of help to us?

**Dr. Mark Lussier**

Chair, Department of English, ASU

“The Romantic Book of Living and Dying”

Bridging Romantic and Buddhist literary and cultural practices to master the wisdom of making every moment count.

**Dr. Brian Smith**

Director, School of Life Sciences, ASU

“Of Bees, Mice and Men”

What research on animals with simple nervous systems tells us about the dynamics of human aging and the healthy human brain.

More about our scholars on page 28.

## ASU Downtown Phoenix campus

**When: February 15, 2014, 9:00 a.m. to 12:00 p.m.**

**Where: Nursing & Health Innovation Bldg. 2, room 110**

**550 N. 3rd St., Phoenix, AZ 85004**

**Registration: \$10 for OLLI at ASU members**

Register now online at [www.regonline.com/olliasuspring14](http://www.regonline.com/olliasuspring14), or call 602.543.6440, or email [lifelonglearning@asu.edu](mailto:lifelonglearning@asu.edu)

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

**ASU** Osher Lifelong  
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# from the director



Congratulations! OLLI at ASU continues to grow! Our membership has increased three-fold over the past year! For you, this means more courses, more lectures and more special events, and even more connectivity to the intellectual, cultural and social energy of Arizona State University. Please continue to help us all grow by telling friends and neighbors about the gift of OLLI at ASU!

I am thrilled to announce a new and exciting event this Spring to help us all celebrate! On the morning of **Saturday, February 15**, you are invited to join us at ASU's Downtown Phoenix campus to celebrate our OLLI at ASU community in a festive learning opportunity, **Abundant Aging and Longevity**. The morning will be highlighted by a series of exclusive, fast-paced presentations by ASU's finest scholars who work in the arenas of abundant aging and longevity. These scholars will make it clear: the medical breakthroughs of the past decade have been amazing, but breakthroughs in understanding of the human element of aging are equally amazing. How we live out our lives – socially as well as medically – has great influence on our capacity to live abundant lives!

Please mark your calendars and join us for this great morning of festivities! Get to know even more OLLI at ASU members in the spirit of celebration that will carry the day.

As you know, when you become a member, you become part of a network that builds the kinds of relationships that define an exclusive, vibrant and engaged learning community. It is a community on the move – one of older adults who have discovered the joy and thrill of lifelong learning.

One of the many member benefits waiting for you to explore is our NING Internet-based learning platform. Members may engage in online discussions about recent discoveries in optimal aging and well-being, and amazing scientific breakthroughs happening right here at Arizona State University. On NING you can connect online and build relationships beyond the classroom and grow together as scholars.

So we continue to grow! OLLI at ASU is a group of individuals working together to actively grow through “in-classroom experiences” and outside of the classroom via campus events, local affinity groups, group discounts to local cultural and art events, and social media. Be sure to follow breaking news on Facebook at [www.facebook.com/olliasu](http://www.facebook.com/olliasu).

In partnership with you, we can all look forward to an exhilarating semester of new interests, new opportunities and new friends. Let us continue “for the love of learning!”

*Richard C. Knopf*

Richard C. Knopf, Ph.D., Director,  
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 short courses and lectures, 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 membership ID card
- Access to a fitness membership in the Sun Devil Fitness Complex at ASU West & ASU Downtown Phoenix campuses
- Discounted tickets to ASU Kerr Cultural Center in Scottsdale
- \$10 tickets to Arizona Opera's final dress rehearsals of the season
- \$30 tickets (\$89 value) to all matinee performances at Ballet Arizona
- \$8 tickets to the Herberger Institute of Design and the Arts for select events held on ASU's Tempe campus
- OLLI at ASU social media networks: Facebook, and NING – an Internet-based learning platform exclusively for use by OLLI members
- Reduced or free admission when you register for featured ASU educational events
- Invitations to ASU educational events
- Educational travel opportunities with OLLI peers from across the country
- University-quality learning experiences in your community
- Connections to a vibrant higher education institution – Arizona State University
- Opportunities to pursue a passion or share a long-standing interest
- A forum for friendship and socialization
- Being part of an engaged OLLI at ASU learning community



# five campus locations

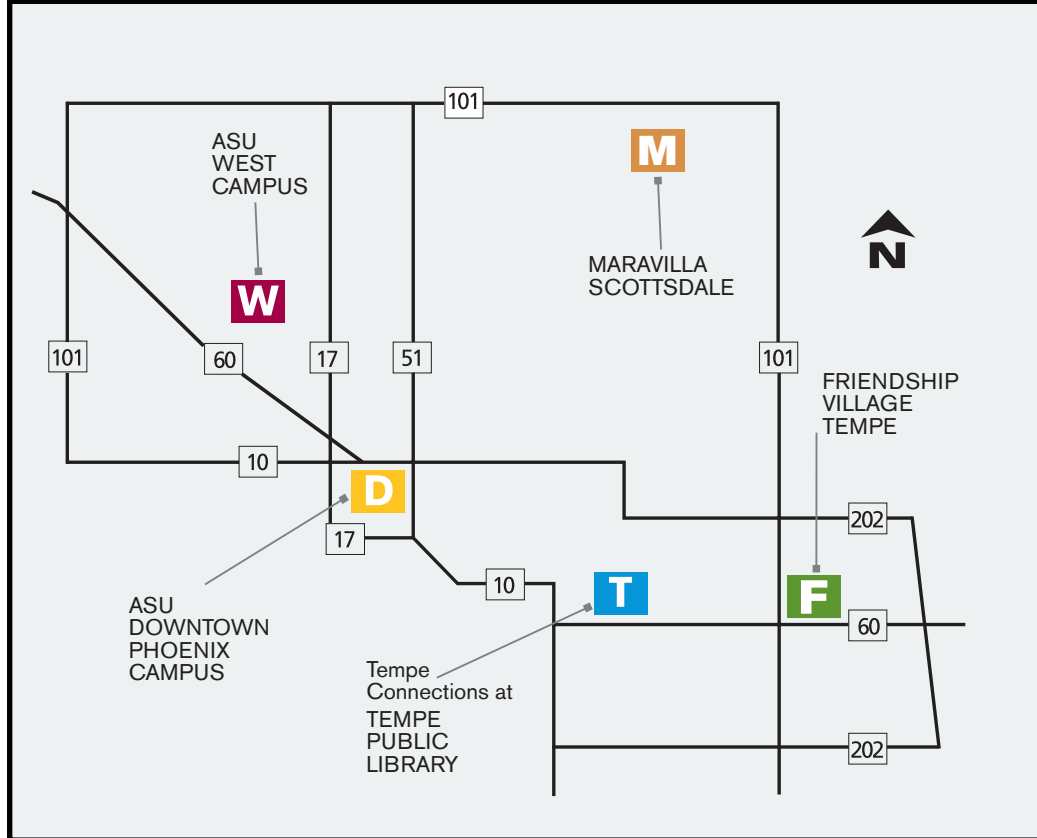
**W** **ASU West campus**  
4701 West Thunderbird Rd., Phoenix

**D** **ASU Downtown Phoenix campus**  
Office location: 411 North Central Ave., Phoenix

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

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

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



## registration and fees

### \$15 semester membership fee

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

#### + course/lecture fees

Fees are noted in the class descriptions

Most courses are \$35, lectures are \$10 **lecture**

### refund policy

Membership fees are non-refundable. Course/lecture/series fees are non-refundable, except in the event a course/lecture/series is cancelled. In this case, the applicable fee will be refunded at the close of the semester.

## online registration

**Register Online**  
**Fast! Easy! Secure!**

[www.regonline.com/olliasuspring14](http://www.regonline.com/olliasuspring14)

- No service fees
- Immediate enrollment at all locations
- Pay membership and all class fees at one time
- Pay with a credit card or check on our secure website
- Instant confirmation directly to you
- Return to add classes at a later date

**or**

Register by mail or phone at any of our locations.

# help us grow OLLI at ASU

We have a keen vision for growing the mission of OLLI at ASU – more courses, more lectures, and more connectivity to the intellectual, cultural and social experiences at the University!

Please consider a financial contribution to support the growth of your educational opportunities here with us!

Your gift of **\$25.00** will make an impact.

If you are interested in making a larger gift, please contact us at

**602.543.6440**

**Donate online at:**

**<http://asufoundation.org/osher>**



A R I Z O N A   S T A T E   U N I V E R S I T Y

**Thank you for your support of OLLI at ASU!**

Together, we will build an amazing learning community!



# *In Celebration of Women's History Month*

**OLLI at ASU presents these great classes in February and March!**

## **The Female Art Form**

Location: Friendship Village

1 session

Throughout the history of art, artists have depicted the female form in a variety of ways: abstract and realistic, angular and organic, draped and nude, specific and general. We will cover the long line of art styles, and you will discover changing depictions of the female form. We will discuss how a society's values are reflected in these portrayals beginning with the Neolithic era. See page 15.

## **Nobel Prize for Literature Winner Alice Munro: Master of the Contemporary Short Story**

Location: Maravilla Scottsdale

4 sessions

Alice Munro writes down-to-earth stories about ordinary, small-town people in commonplace situations, yet critics shower her with praise, thousands of readers the world-over devour each new story collection, she has won every major award for fiction, and in 2013, the Swedish Academy awarded her the Nobel Prize in Literature. What is it that makes her work so compelling? This class will examine a selection of stories from across Munro's 50 years of literary work and enjoy her unique ability to imbue the lives of unremarkable characters with remarkable poignancy and meaning. Specific stories will be suggested for those who wish to enhance their course experience. See page 20.

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

Location: Tempe Connections

4 sessions

This course surveys the diversity of women's experiences in the U.S. over the 20th century as they played central roles in creating change. Themes such as civil rights, athletics, wartime, art, and even fashion allow us to explore how individuals, famous and not-so famous, led the way in creating a very different nation than the one of 100 years ago. We will explore why women often seem invisible in history, what we learn about history from women's experiences, and how women understood their world. See page 16.

## **Women Artists throughout History**

Location: Tempe Connections

4 sessions

This class will examine the lives and the artwork of women artists. Some are familiar to us today, such as Mary Cassatt, Barbara Hepworth, Louise Nevelson and Georgia O'Keeffe, and some less familiar such as Dutch Baroque painter Judith Leyster and American Impressionist Lilla Cabot Perry. We will begin with the Renaissance period. See page 17.

## **The World of Downton Abbey: History behind the PBS Hit**

Location: Tempe Connections

1 session

You've seen the glittering attire, the sleek cars and tribulations of the servant-class on TV shows like Downton Abbey but what was life really like in the early 20th century? The transition from the Victorian era to the modern one was jarring and at times violent, with more than its share of political tension and social upheaval. This lecture covers the social landscape, the class system, how people spent their working and leisure hours, the beginnings of the women's rights movement, and the impact of WWI. See page 17.

## monday

### Philosophy Thinks of Poetry

Instructor: Dr. Ramsey Eric Ramsey **Cost \$35**  
4 sessions: Mondays, Feb. 10, 17, 24, Mar. 3  
1:00 – 2:30 p.m.  
Sands Building, Room 215

In this class we shall allow three thinkers to lead our discussions about the relation between poetry and the way we live (or might better live) our lives. Each week we shall read one essay by a thinker, who has in some manner or another, found poetry as a way to think about ethical and social questions. The first two weeks we shall read thinkers who are also poets – Ralph Waldo Emerson and Oscar Wilde – and in week three, an essay by the contemporary psychoanalyst Adam Phillips. In the final meeting, we shall use paintings, a thought from surrealism, and our own being-together to move us to poetry. This will be an intergenerational seminar as students from Barrett, The Honors College will be participants in the class.

### Scandals, Lies, and Torture: Research Ethics in the Behavioral Sciences

Instructor: Dr. Sara Pennak **Cost \$35**  
4 sessions: Mondays, Feb. 24, Mar. 3, 10, 17  
10:00 – 11:30 a.m.  
Sands Building, Room 133

What do Disney, *Sports Illustrated*, Nazis, LSD, and a Bobo Doll have in common? How about Galileo, Isaac Newton, Gregor Mendel and Louis Pasteur? This course provides a historical – and sometimes shocking – review of behavioral research practices as it examines the evolution of human subjects protection, animal rights, and research misconduct issues such as data falsification and fraud. A case study approach will be used, which includes recent examples of research misconduct and some of the most important and controversial experiments ever conducted, that will make students wonder whether ethics are truly absolute or simply relative to their historical context.

### The Sounds of Baroque Music

Instructor: Dr. Guy Whatley **Cost \$35**  
4 sessions: Mondays, Mar. 10, 17, 24, 31  
1:00 – 2:30 p.m.  
Sands Building, Room 215

The timeframe from 1600 to 1750 is generally known as the Baroque period. It was a time of tremendous innovation and discovery when many of the institutions that define the modern world were created. The music of this period is incredibly exuberant, varied, and complex. This class will examine Baroque music, and we will get to know some of the key composers including Monteverdi, Vivaldi, Handel, and Bach.

### A House Still Divided: The Rise of Anti-government and Radical Movements in the U.S.

Instructor: Dr. Don Sharpes, Professor Emeritus **Cost \$20**  
2 sessions: Mondays, Mar. 24, 31  
10:00 – 11:30 a.m.  
Sands Building, Room 133

The Mississippi River divides the country geographically east and west. Slavery and its supporting states once divided the country north and south. We are not a nation of two bickering, taunting political parties, but two co-existing national mentalities, oppositional ideological differences defined by our turbulent history. The chief political division in the nation today is the rising tide of anti-government sentiment, a conceptual sectarianism that has carried over from the days of slavery, and the century of segregation after the Civil War. Slavery and segregation hung like Spanish moss over the South trying to cover national shame but not resident pride. We will discuss how the North/South chasm has always been the nation's most pronounced distinction, and how it contributes yet to our profound political disagreements.

### Performance Secrets of Olympic Champions

Instructor: Dr. Ralph Vernacchia **lecture \$10**  
1 session: Monday, Apr. 7  
10:00 – 11:30 a.m.  
Sands Building, Room 133

A blend of Olympic history and philosophy, sport psychology, and human performance, this presentation highlights the mental attributes and attitudes Olympic champions utilize to excel in the arena of high-performance sport. Principles of passion, personal and performance excellence are highlighted in this presentation which addresses the five C's of successful athletic, workplace and life performance – character, confidence, concentration, composure, and commitment.

### The World through the Eyes of Insects: Facts and Fiction

Instructor: Dr. Ron Rutowski **lecture \$10**  
1 session: Monday, Apr. 7  
1:00 – 3:00 p.m.  
Sands Building, Room 215

This talk will explore the structure and physiology of the insect eye. Using behavioral studies, we will learn how clearly and colorfully insects perceive their world. Popular representations of how insects see the world will be critiqued and a more accurate alternative will be presented. A recurrent theme will be an explicit comparison of insect and human eyes and the visual perceptions of insects and humans. Participants will gain a deeper appreciation of the complexities of visual organs and perception in these animals.





## Welcome to China

**Instructor:** Shengnan (Nancy) Zhao

**1 session:** Monday, Apr. 14

**2:00 – 3:30 p.m.**

**Sands Building, Room 215**

Ms. Zhao will compare cultural differences between West and East. She will briefly introduce China's geography, history, demographics, politics, and culture (traditional philosophy, language, food, traditional Chinese medical theory, and more). Looking at China's tourism development since 1978 (especially communist heritage tourism), Ms. Zhao discusses some critical social issues in China and shares her amusing experience of cultural shock when she first came to the U.S.

**lecture \$10**

**tuesday**

## Chemistry in the Real World

**Instructor:** Dr. Kirstin Hendrickson

**Cost \$35**

**4 sessions:** Tuesdays, Feb. 11, 18, 25, Mar. 4

**10:00 – 11:30 a.m.**

**University Center Building (UCB) 265**

Chemistry can be fun, really! Dr. Hendrickson will cover topics including Alchemy to Chemistry and Back Again; Pharmaceuticals and Poisons, including a discussion of where the street drug heroin came from; the Chemistry of Global Warming; and The Body as a Beaker – the chemistry of nutrition and exercise, including a scientific explanation of why diets almost never work.

## Arizona and the National Immigration Debate

**Instructor:** Dr. Luis Plascencia

**Cost \$35**

**4 sessions:** Tuesdays, Feb. 11, 18, 25, Mar. 4

**1:00 – 3:00 p.m.**

**Sands Building, Room 215**

The course will provide an overview of the core issues being debated nationally, and how Arizona is central to those debates. Dr. Plascencia will touch on some of the historical foundations of immigration in the Southwest, its impact on the economic development of Arizona and the nation, and how the issues of immigration and boundary security have shaped how we understand and discuss questions of regional and national development. Finally, the course will address the development of the concept and debate regarding "comprehensive immigration reform."

## Natural Disasters

**Instructor:** Stanley Celestian

**Cost \$35**

**4 sessions:** Tuesdays, Mar. 11, 18, 25, Apr. 1

**10:00 – 11:30 a.m.**

**University Center Building (UCB) 265**

Earthquakes, tsunamis, volcanic eruptions, landslides, mudslides, flash floods, rock-falls, hurricanes, and tornadoes! Stan Celestian will discuss the science of each of these natural disasters. He will cover the geology of these phenomena as they relate

to recent disasters. In addition, the topic of earthquakes will cover the potential for Arizona earthquakes and earthquake safety precautions. The geophysics of a volcanic eruption will be explained and what makes eruptions dangerous, as well as dangers directly associated with volcanic regions. Topics associated with the downward movement of earth materials, like landslides, as well as topics that involve the area above the surface, such as hurricanes, will be discussed.

## Sex: Why All is Fair When Love is War

**Instructor:** Dr. Ken Sweat

**Cost \$35**

**4 sessions:** Tuesdays, Mar. 18, 25, Apr. 1, 8

**1:00 – 2:30 p.m.**

**Sands Building, Room 215**

Starting with Darwin's idea of sexual selection, this course will review how evolution has shaped the myriad strategies involved in successful sexual reproduction. Promiscuous females, cheaters, bisexuals, hermaphrodites, sneaky males, cross dressers and more found in the natural world will be described, and the reason why these tactics can increase an organism's chances of having offspring will be explored. Be prepared for a lively and forthright experience in this class.

## Canyon de Chelly

**Instructor:** Dr. Lou-ellen Finter

**Cost \$35**

**4 sessions:** Tuesdays, Apr. 8, 15, 22, 29

**10:00 – 11:30 a.m.**

**University Center Building (UCB) 265**

Canyon de Chelly is best known for the Antelope House Ruin, tucked up in a natural alcove in the sheer, breathtaking sandstone cliffs. But there is so much more to explore in this Northern Arizona National Monument. We will take a look at this fascinating area that incorporates prehistoric people, the Diné (Navajo), and the history of Western settlement and exploration.

## Antibiotics and Antibiotic Resistance

**Instructor:** Dr. Ken Sweat

**lecture \$10**

**1 session:** Tuesday, Apr. 22

**1:00 – 2:30 p.m.**

**Sands Building, Room 215**

Hailed as a silver bullet against disease and infection, antibiotics today are used everywhere from hospitals to animal farms. This widespread use has had predictable consequences, with antibiotic resistance evolving in numerous strains of bacteria. This class will briefly examine the modern use and potential abuse of antibiotics, as well as potential alternatives to them.

## wednesday

**Ancient Cultures****Instructor:** Dr. Vincent Waldron**Cost** \$35**4 sessions:** Wednesdays, Feb. 12, 19, 26, Mar. 5**10:00 – 11:30 a.m.****Sands Building, Room 133**

This course is an adventurer's guide for those who want to understand and protect one of the great cultural legacies of the American Southwest. This course will help students discover and interpret the many rock art sites and ruins located across the valley – some in plain sight and some in hidden places. The course will include two classroom lectures and two off-campus site visits (to be determined based on student experience and interest) to be held during weeks 2 and 4; students will meet at the site locations and are responsible for their own transportation. A modest entrance fee may be required from the adventurer.

**Sacred Ground: A History of Native Americans of the Greater Southwest****Instructor:** Dr. W. Dirk Raat, Professor Emeritus **Cost** \$45**5 sessions:** Wednesdays, Feb. 12, 19, 26, Mar. 5, 12**1 optional visit to the Heard Museum: Saturday, Mar. 8****1:00 – 2:30 p.m.****Sands Building, Room 215**

Come explore the past and present of the American Indians of the Greater Southwest. We will cover the general issues of terminology, historical trends, and the cultural and historical geography of the Greater Southwest. Sessions will discuss the Native Americans in Northern Mexico, the Sonora Desert, the Central Uplands, and the Colorado Plateau. Students will be responsible for their own transportation for the optional visit to the Heard Museum.

Along with suggested readings, there will be three short required readings, provided to students after registering, relating to the Pima (Akimal O'odham), Apache (Indé), and Navajo (Diné). On March 12, Jaclyn Roessel (Navajo) from the Heard Museum will join us as a guest speaker.

**Introduction to the Night Skies of Arizona****Instructor:** Dr. James Ashley**lecture** \$10**1 session:** Wednesday, Mar. 12**10:00 – 11:30 a.m.****Sands Building, Room 133**

Arizona is the 'astronomy capital' of the United States. Visible through a small backyard telescope, binoculars, or even the unaided human eye are countless wonders that can inspire the viewer to ponder the deepest questions of material existence, the origins of life, the magnitude of infinity, and the vast distances of space. What are the origins of the Universe, and how did its contents evolve over time? What are we learning from the professional world of advanced telescopic and microscopic instruments, and from robotic planetary spacecraft? What mysteries remain to be solved? We will explore some of the most frequently asked questions, and open the floor to a lively discussion afterward.

**Adventures in Judaism****Instructor:** Rabbi David Davis**Cost** \$35**4 sessions:** Wednesdays, Mar. 19, 26, Apr. 2, 9**9:45 – 11:00 a.m.****Sands Building, Room 133**

Students will not only learn about heroes of the Bible, but also explore the history, literature, and religion of Ancient and Modern Judaism. We will discuss the Hebrew Scriptures, the development and evolution of Judaism, Modern Judaism, the State of Israel and Jewish life in the United States. In addition, we will highlight how Christianity and Islam impact the Jewish experience.

**The Fundamentals of Color****Instructor:** Allen Reamer**Cost** \$45**5 sessions:** Wednesdays, Mar. 19, 26, Apr. 2, 9, 16**1:30 – 3:30 p.m.****Sands Building, Room 215**

Knowing color, pigments and paints is fundamental to producing quality paintings. First, you will learn what to look for when buying paints so you do not waste your money. Then we will cover the characteristics of 891 paints including the positives and negatives of different types of paint. You will learn what can be done with colors and paints by doing a lot of color mixing. At the end of this course, you will have produced a number of reference guides that you can use in your future paintings to improve your work. Upon registering for this course, we will provide you with a complete list of art supplies (you can use watercolor, acrylics, or oils and you can share paints with a friend, if you wish). If you have questions concerning your supplies, you may email the instructor at areamer@mindspring.com.

**The Search for Life in the Universe****Instructor:** Dr. James Ashley**Cost** \$35**4 sessions:** Wednesdays, Mar. 26, Apr. 2, 9, 16**11:30 a.m. – 1:00 p.m.****Sands Building, Room 133**

This class will examine the scientific record on the origin and early evolution of life on Earth. We will also look at results from recent studies to find life-bearing habitats throughout our solar system, experiments to detect habitable planets around other stars, and the Search for Extraterrestrial Intelligence (SETI).

**Near Earth Asteroids and the Impact Hazard****Instructor:** Dr. James Ashley**lecture** \$10**1 session:** Wednesday, Apr. 23**1:00 – 2:30 p.m.****Sands Building, Room 215**

In February 2013, a 17-meter diameter asteroid detonated in the atmosphere over Chelyabinsk, Russia, sending more than 1,500 people to hospitals for treatment from the effects of shattered glass windows. A small increase in the mass, velocity, or entry angle of this object could have resulted in a dramatic increase in the impact energy and resulting destruction. Is there anything that can be done to prevent such events from occurring in the future? Dr. James Ashley has consulted for and appeared in Discovery Channel's *Cosmic Collisions*, and the History Channel's *Meteors* and *Comets* documentary programs discussing these issues, and he will outline our current state of understanding, risk assessment strategies, and available technologies for impact mitigation.



# asu west campus | how to register!

4701 W. Thunderbird Rd.  
Phoenix, AZ 85069  
602.543.6440

Sally Underwood, Coordinator  
Email: [sally.underwood@asu.edu](mailto:sally.underwood@asu.edu)  
Website: <http://lifelonglearning.asu.edu/west>

All classes are held at the ASU West campus unless otherwise noted. See course descriptions for room locations.

## **parking**

Please park in Visitor Lot 12. There is a small fee to park on the ASU campus; however, we offer our members discounted parking. We will validate parking of a vehicle for part of the class time, so bring the parking ticket you receive at the gate to class for partial validation. Hourly parking at the West campus is \$2, with a daily max of \$8. Upon exiting the lot, ASU parking attendants accept Visa, MasterCard, and cash – no larger than a \$20 bill.

## **refund policy**

Membership fees are non-refundable. Course/lecture/series fees are non-refundable, except in the event a course/lecture/series is cancelled. In this case, the applicable fee will be refunded at the close of the semester.

## **registration information**

Registration is required for all offerings and free events.

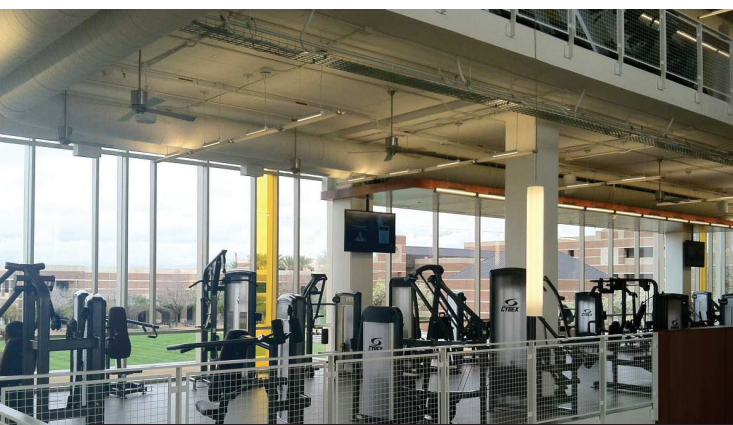
### **ONLINE REGISTRATION**

**[www.regonline.com/olliasuspring14](http://www.regonline.com/olliasuspring14)**

- **Fast! Easy! Secure!**  
Go to: **[www.regonline.com/olliasuspring14](http://www.regonline.com/olliasuspring14)**  
Pay with credit card or check on our secure website.
- **By PHONE:** Call 602.543.6440  
Pay with a credit card.
- **By MAIL:** Mail in your Registration Form with a check payable to "ASU" to:

Osher Lifelong Learning Institute at ASU  
PO Box 37100  
Mail Code 3251  
Phoenix, AZ 85069-7100

Registration Forms may be downloaded from  
<http://lifelonglearning.asu.edu> or requested by calling  
602.543.6440.



# Sun Devil Fitness Complex

**OLLI at ASU members are eligible to join the brand new Sun Devil Fitness Complex at the ASU West campus!  
Only \$125 per semester.**

- Outdoor pool
- Indoor track, racquetball and basketball courts
- Selectorized weight machines and free weights
- Weekly group-fitness sessions, such as yoga, with Devil-X pass
- Innovative cardio equipment with "cardio theatre"
- Personal trainers available

**[fitness.asu.edu](http://fitness.asu.edu)**

For membership or a tour, contact the information desk at 602.543.3488.

Memberships honored at any of the four ASU Fitness Complexes.

**ASU** ARIZONA STATE  
UNIVERSITY

WEST CAMPUS

## monday/tuesday

### Arizona Opera Previews

**Instructor:** Arizona Opera Docents **Cost Free**  
**2 free sessions:** Tuesday, Feb 18; Monday, Mar. 17  
**11:30 a.m. – 12:30 p.m.**  
**Arizona Opera Center at 1636 N. Central Ave.**  
**(in the Education Room)**  
 Join us at the new Arizona Opera Center to preview upcoming opera productions: Feb. 18, *La Traviata*; and Mar. 17, *Don Pasquale*.

## wednesday

### Planetary Exploration using Robotic Spacecraft

**Instructor:** Dr. James Ashley **Cost \$35**  
**4 sessions:** Wednesdays, Feb. 12, 19, 26, Mar. 5  
**10:15 – 11:45 a.m.**  
**NHI-2, Room 228**  
 Robotic spacecraft have become the “eyes and ears” of the human species for exploring the Solar System. This course will walk through Dr. Ashley’s research at ASU with the Thermal Emission Imaging System on board the Mars Odyssey spacecraft, the two Mars Exploration Rover spacecraft (Spirit and Opportunity), and the Lunar Reconnaissance Orbiter Cameras.

## thursday

### Discovering Resilience for the Second Half of Life

**Instructor:** Timothy Schmaltz **lecture \$10**  
**1 session:** Thursday, Feb. 20 | 10:15 – 11:45 a.m.  
**Mercado C, Room 135**  
 Sometimes our lives and our work can seem out of control and overwhelming. We become stressed, even ill or feel powerless in the face of it all; but we can find the resources of resilience inside of us and around us to bounce back. What are those characteristics of “resilience” and strength and community that can sustain us, empower us and help us keep going? Come and learn how we can work together to discover how to bounce back for ourselves, our work, our families, and our communities.

### Should Intelligent Design/Creationism be Taught in the Science Classroom?

**Instructor:** Dr. Ahren Sadoff, Professor Emeritus **lecture \$10**  
**1 session:** Thursday, Feb. 27 | 10:15 – 11:45 a.m.  
**Mercado C, Room 135**  
 Join us for this lecture, guaranteed to generate a lively discussion! The status of creation and evolution in public education has been the subject of substantial debate and conflict in legal, political, and religious circles. Intelligent Design/Creationism challenges widely held scientific explanations about the origin of the universe. The U.S. Constitution guarantees the rights of Americans to believe

the religious theories of creation, but it does not permit them to be taught in public school science classes. In order to appreciate the issues involved, Dr. Sadoff will discuss both the legal and scientific aspects of the controversy. In particular, there have been two court decisions relevant to the issue. One of these was decided by the Supreme Court in 1987, the other was decided in 2005 in Dover, PA. Both of these will be discussed in some detail.

### What’s so Funny About Humor Writing?

**Instructor:** Dr. Debra Schwartz **lecture \$10**  
**1 session:** Thursday, Feb. 27 | 1:30 – 3:00 p.m.  
**Mercado C, Room 135**  
 At least once a month, I look in the mirror, decide I’m 15 pounds overweight, and order a pizza. These few words apply simple humor techniques. Humor is central to helping people connect with and remember an idea, message or point. Come learn five easy humor writing techniques to put spring in your conversation and writing.

### Measuring Impact: 128 Years of Arizona State University

**Instructor:** Rob Spindler **lecture \$10**  
**1 session:** Thursday, Mar. 6 | 10:15 – 11:45 a.m.  
**Mercado C, Room 135**  
 Throughout our history, ASU has helped advance the economy of the valley and the state in numerous ways. Join University Archivist Rob Spindler for an illustrated review of how our university achieved and measured its economic impact from 1885 to the present day.

### Phoenix – Where We Were, Where We Are and Where We Are Going

**Instructor:** Colin Tetreault **lecture \$10**  
**1 session:** Thursday, Mar. 6 | 12:15 – 1:45 p.m.  
**Mercado C, Room 135**  
 The City of Phoenix – a bustling and vibrant epicenter – blossomed like a saguaro flower in the desert over a period of 150 years. From our Wild West origins, to our cosmopolitan present, and into our sustainable and successful future, you will learn where Phoenix has been, where we are, and where we are going.

### Ruminations on *The Botany of Desire*

**Instructor:** Dr. Ken Sweat **Cost \$35**  
**4 sessions:** Thursdays, Apr. 3, 10, 17, 24  
**10:15 – 11:45 a.m.**  
**Mercado C, Room 350**  
 Using Michael Pollan’s *The Botany of Desire* as a starting point, this course examines the relationship between humans and the plant kingdom to ask how the interactions have shaped both plant and human evolution. Agriculture, pharmacology and industrial uses of plants by humans will be explored to synthesize how the relationships forged between these two organisms has shaped the evolution of many plant lineages as well as influenced who we humans are as a culture and a species.





## Saturday Art Series Lectures and Workshops

Take one or as many of these sessions as you wish!  
No previous artistic experience is necessary.

### Learn and Experience Gothic, Baroque and Islamic Art and Architecture

**Instructor: Allen Reamer**

**lecture** \$10 each session

#### Gothic Buildings

**Mar. 15 | 10:15 a.m. – 12:15 p.m.**

**Mercado C, Room 368**

This lecture aims to increase your enjoyment and knowledge of looking at Gothic churches. We will discuss the parts of a Gothic church and look at major European Gothic cathedrals.

#### Gothic Architectural Drawing Workshop

**Mar. 15 | 1:15 – 3:15 p.m. | Mercado C, Room 368**

In this workshop, you will learn the techniques of using ink and watercolor to draw the characteristics of a Gothic cathedral. You will have the opportunity produce one or more works of art of a Gothic cathedral or part of one. No experience necessary. Supplies to bring with you: small round synthetic watercolor brush, thin line black waterproof ink pen (found at an office supply store or an arts/crafts store), water container, plastic sheet to cover table. Optional: inexpensive set of watercolors, 140lb or heavier watercolor paper.

#### Baroque Buildings

**Mar. 22 | 10:15 a.m. – 12:15 p.m. | Mercado C, Room 368**

This lecture aims to increase your enjoyment and knowledge of looking at secular and religious Baroque buildings. We will discuss the parts of a Baroque building and look at prominent European Baroque buildings.

### Poetic Meter and the Structure of Meditative Action

**Instructor: Dr. Mark Lussier**

**1 session: Thursday, Apr. 10**

**12:15 – 1:45 p.m.**

**Mercado C, Room 350**

**lecture** \$10

What are the relationships of physical matter, poetic meter, and the modes of mind described as meditation? This fundamental question forms the foundation for this lecture. Dr. Lussier will elaborate on integral approach within which to analyze the elements of poetic expression and the types of action that exists within meditative practices, articulating a unified approach to scholarship, service, and teaching.

### Baroque Art Charcoal Drawing Workshop

**Mar. 22 | 1:15 – 3:15 p.m. | Mercado C, Room 368**

In this workshop, you will learn charcoal drawing techniques. You will have the opportunity to produce one or more charcoal drawings with the characteristics of Baroque art. No experience necessary. No supplies are required to bring to class; Optional supplies: kneaded eraser (gray color), medium charcoal pencil, medium or soft charcoal stick (compressed charcoal stick – not vine charcoal), medium stump.

#### Islamic Buildings

**Mar. 29 | 10:15 a.m. – 12:15 p.m. | Mercado C, Room 368**

This lecture aims to increase your enjoyment and knowledge of looking at Islamic buildings. Islam developed a distinctive culture with its own artistic language. We will look at the Islamic culture, the varied Islamic dynasties, the diverse peoples of Islam, and discuss how as Islam expanded geographically. Learn how over time this artistic language is reflected in the architecture.

### Islamic Art with Ink and Watercolor Workshop

**Mar. 29 | 1:15 – 3:15 p.m. | Mercado C, Room 368**

In this workshop, you will learn the techniques of using ink and watercolor to create the characteristics of Islamic art. You will have the opportunity to produce one or more works of art. No experience necessary. Supplies to bring with you: small round synthetic watercolor brush, thin line black waterproof ink pen (found at an office supply store or an arts/crafts store), water container, plastic sheet to cover table. Optional: inexpensive set of watercolors, 140lb or heavier watercolor paper.

## friday

### New Citizenship in Taiwan

**Instructor: Chia-Mei Hsia**

**1 session: Friday, Feb. 14 | 10:15 – 11:45 a.m.**

**Location: Mercado C, Room 230**

**lecture** \$10

Chia-Mei Hsia's lecture will provide a brief introduction of the history of democracy in Taiwan, a wide spectrum of Taiwanese religion, philosophy and political events, and examine how it constitutes the new citizenship of Taiwan. Complex issues surrounding the relationship between China and Taiwan will be discussed.

## What a Life! Writing and Performing Life Stories

**Instructor:** Jayson Morrison **Cost \$35**  
**4 sessions:** Fridays, Feb. 14, 21, 28, Mar. 14 (no class Mar. 7)  
**12:15 – 2:15 p.m.**

**Location:** Mercado C, Room 230

In this course, you will learn how to collect oral histories of important life events and transitions that can be used in the creation of short performance pieces. In a structured and directed format, writing exercises in and out of class transform memories recollected into a short monologue or scene. Participants are encouraged, but not required, to share their work in class. Previous theatre experience is welcome, but not required. Limited to 15 students.

## Exploring the Masters of Jazz Guitar

**Instructor:** Jeff Libman **lecture \$10**  
**1 session:** Friday, Feb. 21 | 10:15 – 11:45 a.m.

**Location:** Mercado C, Room 230

ASU jazz guitar instructor Jeff Libman will discuss the lives and music of Django Reinhardt, Charlie Christian, Wes Montgomery, and other masters of the jazz guitar. This class will involve listening to several classic recordings and will also feature Jeff demonstrating some concepts on guitar.

## A History of the Tango

**Instructor:** Dr. David Foster, Regents' Professor **lecture \$10**  
**1 session:** Friday, Feb. 28 | 10:15 – 11:45 a.m.

**Location:** Mercado C, Room 230

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

## Accompaniment: From Managing Differences to Unleashing Diversity

**Instructor:** Bjorn Peterson **lecture \$10**  
**1 session:** Friday, Mar. 7 | 10:15 – 11:45 a.m.

**Mercado C, Room 135**

Diversity brings up many emotions, perspectives, and reactions from people. Some of us see it as exciting; for others, it can be a disorienting experience to try and make sense of diversity. Accompaniment is a method for building intercultural relationships, which helps give structure and common language to the promise and challenge of diversity. Join Bjorn Peterson for an overview of this powerful method.

## Brazil: More Than You Can Imagine

**Instructor:** João Tasso **lecture \$10**

**1 session:** Friday, Mar. 7 | 12:15 – 1:45 p.m.

**Mercado C, Room 135**

What comes to your mind when you hear Brazil? Carnival and Rio de Janeiro? Amazon Rainforest? Beaches? Beautiful people? Soccer? This lecture will reveal multicultural curiosities (music, language, food, dance, and much more), alternative tourism destinations, socioeconomic challenges (poverty and social inequality), and innovations toward sustainable tourism development in the exquisite country of Brazil.

## Introduction to Travel Writing

**Instructor:** Dan Fellner **Cost \$35**

**4 sessions:** Fridays, Mar. 21, 28, Apr. 4, 11 | 10:15 – 11:45 a.m.

**Mercado C, Room 146**

Have you ever wanted to share your travel experiences beyond just friends and relatives? 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 shooting 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.

## From Sea to Shining Sea: The Fictional Stories of America

**Instructor:** Dr. Rosemarie Dombrowski **Cost \$35**

**4 sessions:** Fridays, Mar. 21, 28, Apr. 4, 11 | 12:15 – 1:45 p.m.

**Mercado C, Room 146**

Since exploding onto the scene in the mid-19th century, the American short story has frequently been influenced by the region of its practitioner – from New England to the Western frontier. Thus, as readers of these regionalist texts, we become travelers of time and space, explorers in unfamiliar territory. Perhaps John Cheever said it best in his classic short story *The Swimmer* – we have to see (and read) “with a cartographer’s eye.” And so we will, specifically through the short stories of Raymond Carver, Stuart Dybek, Flannery O’Conner, Mark Twain, and others. Readings will be provided.

## The Science of Magic

**Instructor:** Dr. James Ashley **lecture \$10**

**1 session:** Friday, Apr. 18 | 10:15 – 11:45 a.m.

**Cronkite Bldg., Room 252**

The art of deception achieves entertainment status in the world of stage and parlor illusion. What does science tell us about the way the human mind has evolved to fall prey to professional conjuring; and how might this information be used in our daily lives to avoid misperceptions and misidentifications of natural phenomena, fraudulent advertising, and to distinguish reality from the products of our own thinking? Dr. Ashley will use several effects of the magician to demonstrate various principles of observation and show where the trip-ups occur.

# asu downtown campus | how to register!

**Office Location: 411 N. Central Avenue  
Phoenix, AZ 85004  
602.496.1191**

Mikulas "Nick" Pstross, Coordinator  
Email: [Mikulas.Pstross@asu.edu](mailto:Mikulas.Pstross@asu.edu)  
Website: <http://lifelonglearning.asu.edu/downtown>

All classes are held at the ASU Downtown Phoenix campus, unless otherwise noted. Room locations will be stated on your registration confirmation form.

## **parking**

Public and ASU parking lots are conveniently located around the campus. We offer our members discounted parking in designated ASU lots. Contact our coordinator, Nick Pstross, at 602.496.1191 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.

## **refund policy**

Membership fees are non-refundable. Course/lecture/series fees are non-refundable, except in the event a course/lecture/series is cancelled. In this case, the applicable fee will be refunded at the close of the semester.

## **registration information**

Registration is required for all offerings and free events.

### **ONLINE REGISTRATION**

**[www.regonline.com/olliasuspring14](http://www.regonline.com/olliasuspring14)**

- **Fast! Easy! Secure!**

Go to: **[www.regonline.com/olliasuspring14](http://www.regonline.com/olliasuspring14)**  
Pay with credit card or check on our secure website.

- **By PHONE:** Call 602.543.6440

Pay with a credit card.

- **By MAIL:** Mail in your Registration Form with a check payable to "ASU" to:

Osher Lifelong Learning Institute at ASU  
PO Box 37100  
Mail Code 3251  
Phoenix, AZ 85069-7100

Registration Forms may be downloaded from  
<http://lifelonglearning.asu.edu> or requested by calling  
602.543.6440.



# Sun Devil Fitness Complex

**OLLI at ASU members are eligible to join the Sun Devil Fitness Complex at the ASU Downtown Phoenix campus!  
Only \$125 per semester.**

- Indoor and outdoor pools
- Indoor track and basketball courts
- Selectorized weight machines and free weights
- Innovative cardio equipment with "cardio theatre"
- Weekly group-fitness sessions, such as yoga, with Devil-X pass
- Personal trainers available

For membership or a tour, contact the front desk at 602.496.7777.  
Memberships honored at any of the four ASU Fitness Complexes.

**ASU** ARIZONA STATE  
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DOWNTOWN PHOENIX CAMPUS

**[fitness.asu.edu](http://fitness.asu.edu)**



## monday

### Writing Workshop: Remembering through Poetry

**Instructor:** Dr. Elizabeth McNeil **Cost** \$60  
**6 sessions:** Mondays, Mar. 31, Apr. 7, 14, 21, 28, May 5  
**noon – 2:00 p.m. | Village Center, Cochise Room**  
 This course is for anyone who would like to illuminate and communicate key moments from their life and from their extended family's collection of memories through the poetry. Students will be encouraged to experiment to find verse forms, and/or free verse, that best suit their memories and family moments, as well as develop their own poetic voice. Through assignments, exercises, and in-class workshops, you'll discover how powerful this concentrated and aesthetically pleasing form of expression is. Participants need to have access to a computer and an active email account. Limited to 15 students.

## tuesday

### Climate Change: The Science and the Spin

**Instructor:** Dr. Ken Sweat | **10:00 – 11:30 a.m.**  
**4 sessions:** Tuesdays, Feb. 11, 18, 25, Mar. 4 **Cost** \$35  
**Village Center, Skirm Auditorium**  
 For over a century, the scientific community has known that human activities, especially the production of greenhouse gases such as carbon dioxide, can alter the earth's climate. In this course, we will examine the science of the greenhouse effect, and the arguments of its detractors. From the abuse of statistics to the harassment of scientists, the strategies of those that would put their profits over the safety and health of the people of the earth will be examined.

### Religion in Arizona: Deviant or the Norm for American Religion

**Instructor:** Dr. Charles Barfoot **Cost** \$35  
**4 sessions:** Tuesdays, Mar. 18, 25, Apr. 1, 8 | **10:00 – 11:30 a.m.**  
**Village Center, Skirm Auditorium**  
 This course looks at religious life in Arizona, how it was different from the rest of the country and what made it unusual or exceptional. Two sessions will be devoted to Aimee Semple McPherson's 'Resurrection' in the 1920s and Miracle Valley from the 1950s until now. Will religion continue to grow in Arizona? If so, what will it look like, and will Arizona mirror the religious life of the country or deviate from the norm?

### Social Networking, Communication and Surveillance in Today's Culture

**Instructor:** Dr. Michael Pfister **Cost** \$35  
**4 sessions:** Tuesdays, Apr. 8, 15, 22, 29 | **2:00 – 4:00 p.m.**  
**Village Center, Skirm Auditorium**  
 The 21st century has seen an explosion of new technologies that are rapidly altering the way we communicate, compose, and perceive the world around us. We will explore how these new mediums have changed how we think about communication, socio-cultural experience, and creation. Through interactive lectures, readings, and group discussion, the instructor will provide a fundamental understanding of the social, political, and cultural implications – both good and bad – of these emerging technologies.

## wednesday

### Outcasts and Heretics: Profiles in Independent Thought and Courage

**Instructor:** Dr. Don Sharpes, Professor Emeritus **Cost** \$35  
**4 sessions:** Wednesdays, Feb. 12, 19, 26, Mar. 5  
**10:30 a.m. – noon | Recreation Center**  
 This course will consist of short biographies of those who have been willing to die for their beliefs. It will profile such individuals as Gandhi, Martin Luther King, Stephen Bantu Biko, Roger Williams, Mary Stewart (Queen of Scots), Cochise, Red Cloud, and Thomas Paine. This course is based on Dr. Sharpes' research and book, *Outcasts and Heretics: Profiles in Independent Thought and Courage*.

### Toulouse-Lautrec

**Instructor:** Allen Reamer **lecture** \$10  
**1 session:** Wednesday, Feb. 19 | **1:30 – 3:30 p.m.**  
**Location TBA**  
 The life of Post-Impressionist painter Toulouse-Lautrec was as unconventional as his art. We will examine his life and his paintings, and discover how his childhood affected him later in life.

## friday

### Creative Writing Workshop: Memoir I

**Instructor:** Dr. Elizabeth McNeil **Cost** \$60  
**6 sessions:** Fridays, Feb. 14, 21, 28, Mar. 14, 21, 28  
**2:00 – 4:00 p.m.**  
**Village Center, Administrative Conference Room**  
 This writing workshop is for memoirists at any level of writing skill. Through readings, exercises, and assignments, students will delve into various aspects of memoir writing, such as theme, characterization, figurative writing, setting, and dialogue, and produce several short essays. You will need to have access to a computer and an active email account. Limited to 15 students.

### Security in the CyberAge

**Instructor:** Penny Ann Dolin **lecture** \$10  
**1 session:** Friday, Feb. 28 | **10:00 – 11:30 a.m.**  
**Village Center, Private Dining Room**  
 Can you truly be secure online? Learn about different approaches, protected surfing, browsers and best practices so you can enjoy your time online. For all levels, but geared to the average user.

### Northern Lights: Myth and Science

**Instructor:** Dr. Per Annestad, Professor Emeritus **lecture** \$10  
**1 session:** Friday, Mar. 7 | **10:30 a.m. – noon**  
**Village Center, Skirm Auditorium**  
 The Northern Lights! Many myths have been spun about its origin, and only lately have we gained a scientific understanding of its dynamic appearance. This 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."



## The Female Art Form

Instructor: Allen Reamer

1 session: Friday, Mar. 7 | 2:00 –4:00 p.m.

Village Center, Private Dining Room

Throughout the history of art, artists have depicted the female form in a variety of ways: abstract and realistic, angular and organic, draped and nude, specific and general. We will cover the long line of art styles, and you will discover changing depictions of the female form. We will discuss how a society's values are reflected in these portrayals.

lecture \$10

## The Male Art Form

Instructor: Allen Reamer

1 session: Friday, Mar. 14

2:00 – 4:00 p.m.

Village Center, Private Dining Room

Throughout history, artists have depicted the male form in a variety of ways. We will cover the long line of art styles, and you will discover changing depictions of the male form. We will discuss how a society's values are reflected in these portrayals.

lecture \$10

## Creative Writing Workshop: Memoir II

Instructor: Dr. Elizabeth McNeil

Cost \$60

6 sessions: Fridays, Apr. 4, 11, 18, 25, May 2, 9

2:00 – 4:00 p.m.

Village Center, Administrative Conference Room

As in the Memoir I class earlier this spring, memoirists at any level of writing skill will enjoy this course. Through readings, exercises, and assignments, you will learn about and practice various aspects of memoir writing and produce several short essays. You will need to have access to a computer and an active email account. Limited to 15 students.

"Elizabeth [McNeil], you were wonderful throughout the weeks and I learned so much. I learned a lot more than I knew about poetry, and most of all I learned about myself. The atmosphere you create in the classroom is accepting, positive and supportive. Your suggestions are gentle and right on. I am deeply grateful."  
Bonnie Murphy

## friendship village tempe | how to register!

2645 E. Southern Avenue  
Tempe, AZ 85282  
480.831.3303

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

All classes are held at Friendship Village unless otherwise noted. See course 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.

### refund policy

Membership fees are non-refundable. Course/lecture/series fees are non-refundable, except in the event a course/lecture/series is cancelled. In this case, the applicable fee will be refunded at the close of the semester.

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Pay with credit card or check on our secure website.
- **By PHONE:** Call 602.543.6440  
Pay with a credit card.
- **By MAIL:** Mail in your Registration Form with a check payable to "ASU" to:

Osher Lifelong Learning Institute at ASU  
PO Box 37100  
Mail Code 3251  
Phoenix, AZ 85069-7100

Registration Forms may be downloaded from  
<http://lifelonglearning.asu.edu> or requested by calling  
602.543.6440.

## monday

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

Instructor: Dr. Pamela Stewart

Cost \$35

4 sessions: Mondays, Feb. 24, Mar. 3, 10, 17

10:30 a.m. – noon

This course surveys the diversity of women's experiences in the U.S. over the 20th century as they played central roles in creating change. Themes such as civil rights, athletics, wartime, art, and even fashion allow us to explore how individuals led the way in creating a very different nation than the one of 100 years ago. We will explore why women often seem invisible in history, what we learn about history from women's experiences, and how women understood their world.

### The Lives and Colors of Butterflies

Instructor: Dr. Ronald Rutowski

lecture \$10

1 session: Monday, Mar. 3

2:00 – 4:00 p.m.

Scientific studies have revealed many fascinating secrets about the lives of these charismatic and stunningly diverse animals and about the nature and function of their exquisite color patterns. The lessons from these studies will be the topic of this richly illustrated presentation.

### Quarks, the Higgs and the Big Bang

Instructor: Dr. Richard Jacob, Professor Emeritus

Cost \$35

4 sessions: Mondays, Apr. 7, 14, 21, 28

1:00 – 2:30 p.m.

Almost a third of recent Nobel Prize awards in physics have been pertinent to the new field of Elementary Particle Cosmology. This course will bring the non specialist up to date with the advances made in this hybrid discipline, including the Standard Model, the Higgs, dark matter and dark energy. It will parallel a similar honors course taught in the Spring 2014 semester by Dr. Jacob.

## tuesday

### Sacred Deeds and Holiness Habits in Judaism

Instructor: Rabbi Barton Lee

Cost \$35

4 sessions: Tuesdays, Feb. 11, 18, 25, Mar. 4

10:30 – noon

"You shall be holy..." – but how? The Bible offers important ethical teachings, but implementing the Bible's ideals in concrete life situations is a challenge. We will consider the method of Judaism in meeting that challenge, focusing on four topics: Charity as Obligation; Honoring Parents; Sex and Marriage, Marriage and Sex; and the Process of Mourning for a Loved One. We will see how Judaism translates religious ideals into sacred deeds and develops habits of holiness through the details of religious law. The class will include discussion of translations of classical Hebrew texts and conversation about how to lead a gracious, moral, godly life in a modern, pluralistic society.

### Peer into Hinduism

Instructor: Dr. Keith Crudup

Cost \$35

4 sessions: Tuesdays: Feb. 11, 18, 25, Mar. 4

2:00 – 3:30 p.m.

What's the deal with all of those gods – 330 million according to tradition? Then again, there is Brahman – the overarching reality of all that is. How can we reconcile the incredible kaleidoscopic and polychromatic polytheism of Hinduism with the oneness of all things? This question, along with an investigation into the numerous paths toward liberation, will be introduced. We will peer into some dynamics of Hinduism such as: the caste system; sacred cows; yoga; the Bhagavad-gita; the Ganges River; major gods like Shiva and Vishnu; and the legacy of Mohandas Karmach and Gandhi.

### Memoir Writing with Panache

Instructor: Dr. Debra Schwartz

Cost \$35

4 sessions: Tuesdays, Mar. 18, 25, Apr. 1, 8

10:30 a.m. – noon

If you found a backpack filled with everything you ever lost, what would you take out first and why? We'll answer that question and others to pull out stories of your life. This workshop also will introduce you to humor writing techniques, which we will practice and incorporate into stories about ourselves. Research from the field of psychology shows this kind of writing positively influences one's overall health and well-being.

### Hinduism Comes to America

Instructor: Dr. Keith Crudup

Cost \$35

4 sessions: Tuesdays, Mar. 18, 25, Apr. 1, 8

2:00 – 3:30 p.m.

Why did Henry David Thoreau carry the Bhagavad-gita to Walden Pond, and other Transcendentalists and the Theosophy movement help introduce Hinduism to our shores? Why was George Harrison taking sitar lessons from Ravi Shankar? And who were those Hare Krishnas – bald-headed colorfully-clad singers and dancers at many airports in the 60s and 70s? And what about all those yoga practitioners and the SBNR (Spiritual But Not Religious) crowd, who selectively cull from this ancient tradition? This course will investigate how this incredibly diverse and multifaceted tradition has provided numerous avenues for religious belief and expression – whether as an export religion of American converts, to a more visible ethnic Hinduism beginning in the mid-20th century.

### The Rhetoric of Powerful People: Political Moments History Will Never Forget

Instructor: Dr. Dawn Penich-Thacker

Cost \$35

4 sessions: Tuesdays, Apr. 29, May 6, 13, 20

10:30 a.m. – noon

This course will begin by introducing the basic elements of rhetoric – the study of how human beings persuade one another. With that foundation, we will read, analyze, and discuss the confluence of factors – social, political, cultural, and linguistic – that make the most important American political speeches so memorable. In so doing, we will debate the power of a "big speech" to initiate, alter, or punctuate national and global political crises.





## wednesday

### Women Artists throughout History

Instructor: Allen Reamer

Cost \$35

4 sessions: Wednesdays, Feb. 12, 19, 26, Mar. 5

10:30 a.m. – 12:30 p.m.

We will examine the lives and the artwork of women artists. Some are familiar to us today, such as Mary Cassatt, Barbara Hepworth, Louise Nevelson and Georgia O'Keeffe, and some less familiar such as Dutch Baroque painter Judith Leyster and American Impressionist Lilla Cabot Perry. We will begin with the Renaissance and continue until we run out of time.

### Music: The Art of Listening

Instructor: Josh Bennett

Cost \$35

4 sessions: Wednesdays, Feb. 19, 26, Mar. 5, 12

3:00 – 4:30 p.m.

Ever wonder how musicians make, perform, and think about music? This course will investigate some of the basic vocabulary and practices of music. You will learn how to recognize, by ear, some of the most fundamental chord structures, forms, and rhythmic patterns of music and apply this knowledge through guided listening based in a historical context.

### Rocky Mountain School and Western Artists

Instructor: Allen Reamer

Cost \$35

4 sessions: Wednesdays, Mar. 12, 19, 26, Apr. 2

10:30 a.m. – 12:30 p.m.

Rocky Mountain School developed from the Hudson River School of Art. Learn how the painters of both styles share the same message. We will take a detailed look at their lives and their paintings, to include Thomas Moran, Albert Bierstadt and, Thomas Hill. George Catlin, Frederic Remington, Charles Russell and Georgia O'Keeffe.

### The World of Downton Abbey: History behind the PBS Hit

Instructor: Dr. Richard Hopkins

lecture \$10

1 session: Wednesday, Mar. 19

1:30 – 3:30 p.m.

You've seen the glittering attire, the sleek cars and tribulations of the servant-class on TV shows like *Downton Abbey* but what was life really like in the early 20th century? The transition from the Victorian era to the modern one was jarring and at times violent, with more than its share of political tension and social upheaval. This lecture covers the social landscape, the class system, how people spent their working and leisure hours, the beginnings of the women's rights movement, and the impact of WWI.

### From Saturday Night to Sunday Morning: Music in the Black Church

Instructor: Josh Bennett

lecture \$10

1 session: Wednesday, Mar. 26

2:30 – 4:30 p.m.

American popular music such as jazz, rhythm & blues, rock 'n roll, and even hip-hop has been shaped and informed by the gospel music of the black church. This session will track the history, development, and role of the sacred musical traditions of the African-American religious community.

### Energy Transitions: America's Journey

Instructor: Dr. Christopher Jones

Cost \$35

4 sessions: Wednesdays, Apr. 2, 9, 16, 23

12:00 – 1:30 p.m.

Beginning in the 19th century, the rising use of coal, oil, and electricity transformed the nation's development. In future decades, renewable energy resources such as solar and wind may do the same. But how do energy transitions occur? What are their consequences for workers, consumers, economies, and environments? What can the past tell us about our options for the future? This class examines the causes and consequences of shifting energy practices in four lectures – oil, electricity, and renewables. We will explore industrialization, urbanization, political power, corporate tycoons, labor conditions, environmental degradation, and shifts in the everyday ways people live, work, and play.

### World War I and Total War

Instructor: Dr. Richard Hopkins

Cost \$35

4 sessions: Wednesdays, Apr. 9, 16, 23, 30

2:30 – 4:00 p.m.

This course examines the devastating impact of World War I on the political, social, economic, and culture of European society. Instruction begins with the decade preceding WWI, moves through the execution of "total war," and concludes with its immediate and long-term impact on societies. The class will explore the causes of WWI, consider technology and trench warfare, sample wartime propaganda, and discuss the impact of war on individual and family life, gender, and revolution.

## thursday

## Lovers and Madmen: Shakespearean Comedies

Instructor: Heather Ackerman

Cost \$35

4 sessions: Thursdays, Feb. 13, 20, 27. Mar. 6

2:30 – 4:00 p.m.

According to *Shakespeare in Love*, audiences just wanted “comedy, love, and a bit with a dog.” Despite this dismissive stance about what entertains in more light-hearted plays, Shakespeare’s comedies consider several profound questions, such as whether identity is innate or constructed, whether laws or social hierarchies can be subverted, and whether one should sacrifice one’s life to benefit a friend or relative. In this seminar-style class, we will pursue critical questions that emerge from our reading and situate them within the turbulent culture in which Shakespeare lived. Our reading list includes *Taming of the Shrew*, *Twelfth Night*, *The Merchant of Venice*, and *Measure for Measure*.

## Change is in the Air: Climate Change in Arizona

Instructors: Dr. Nahlil Chhetri and

Dr. Nancy Selover

Cost \$35

4 sessions: Thursdays, Apr. 17, 24, May 1, 8

10:30 a.m. – noon

Talk about the weather and climate! How does the climate system work, and how does it impact Arizona? How does the climate affect your life, health and pocketbook? This course offers a basic introduction to the climate system and discusses how present-day changes affect daily city life in the Sonoran Desert. We will focus on the health, infrastructure, and financial implications of the so-called Urban Heat Island Effect, as well as discuss possible ways to address these challenges.

## tempe connections | how to register!

3500 S. Rural Rd.  
Tempe, AZ 85282  
480.350.5490

Jolene Gosling, Coordinator  
Email: [JGosling@tempefriends.org](mailto:JGosling@tempefriends.org)  
Website: <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. Upon entering the property, signs will direct you to parking and the classroom.

### refund policy

Membership fees are non-refundable. Course/lecture/series fees are non-refundable, except in the event a course/lecture/series is cancelled. In this case, the applicable fee will be refunded at the close of the semester.

### registration information

Registration is required for all offerings and free events.

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- **By PHONE:** Call 602.543.6440  
Pay with a credit card.
- **By MAIL:** Mail in your Registration Form with a check payable to “ASU” to:

Osher Lifelong Learning Institute at ASU  
PO Box 37100  
Mail Code 3251  
Phoenix, AZ 85069-7100

Registration Forms may be downloaded from  
<http://lifelonglearning.asu.edu> or requested by calling  
602.543.6440.

# Portrait of a Community

Spring Exhibition | January 13 - May 9, 2014



Portraits tell stories and engage our imagination. They help to show who we are, how we want to be seen, and how we feel about our own identity and our place within the community. As humans we are fascinated by faces and places; we are interested in what it means to be an individual. The goal of this exhibit is to create portraits of elements that make up a community – buildings, homes, landscapes, and most especially people. The exhibit will include paintings, drawings, photographs and works of mixed media.

[copp.asu.edu/about/action-advocacy-arts](http://copp.asu.edu/about/action-advocacy-arts)

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## ASU WEST CAMPUS SPRING EVENTS

### **Black History Month Installation**

ArtSpace West in the UCB  
Opening Feb. 3 at 6 p.m.,  
and runs Feb. 4 – Feb. 27

### **Meet Vera Stark by Lynn Nottage**

Second Stage West in the UCB  
Feb. 20, 21, 27, 28, Mar. 1 at 8 p.m.,  
and Feb. 23 & Mar. 2 at 2 p.m.

### **Would\_You\_Mind – Marianne Kim**

ArtSpace West in the UCB  
Opening Mar. 4 at 6 p.m.,  
and runs Mar. 5, 6, and Mar. 17 – 27  
(closed for spring break Mar. 7 – 16)

### **Phoenix Theatre New Works Festival**

Second Stage West in the UCB  
Mar. 20, 21 at 7:30 p.m.

### **West Valley Symphony**

La Sala Ballrooms in the UCB  
Mar. 22 at 7:30 p.m.

### **The Space Between**

Second Stage West in the UCB  
Mar. 25 & 26 from 1 to 6 p.m.

### **El Malecon – Patricia Clark**

ArtSpace West in the UCB  
Opening Apr. 1 at 6 p.m.,  
and runs Apr. 2 – Apr. 24

### **Desert Overture in concert**

La Sala Ballrooms in the UCB  
Apr. 4 at 7:30 p.m.

<http://campus.asu.edu/west/events>

**Arts Information Line – 602-543-ARTS**



## Monday Lecture Series | "Art in the Afternoon"

lecture \$10 each session

Do you appreciate art but don't necessarily want to drive downtown to enjoy it? Then this is for you! Docents from the Phoenix Art Museum will share their knowledge on various topics. Enroll in one or more of these lectures. PowerPoint presentations highlighting pieces from the Museum's collection will be shown in each session.

### Native American Art

Presenter: Phoenix Art Museum docent  
1 session: Monday, Feb. 24  
1:30 – 2:30 p.m.  
The Lodge, Maravilla Room

### Photography

Presenter: Phoenix Art Museum docent  
1 session: Monday, Mar. 24  
1:30 – 2:30 p.m.  
The Lodge, Maravilla Room

### Impressionism

Presenter: Phoenix Art Museum docent  
1 session: Monday, Apr. 28  
1:30 – 2:30 p.m.  
The Lodge, Maravilla Room

## Tuesday/Thursday

### Television, Terrorism and the Press

Instructor: Dr. B. William Silcock **Cost \$20**  
2 sessions: Tuesday/Thursday, Feb. 18, 20  
3:00 – 4:30 p.m.  
The Lodge, Maravilla Room  
This course explores global news channels with a particular focus on the coverage of terrorism. We will examine information gathering and dissemination about terrorism under different cultural and political systems. We learn the media's role in the coverage of terrorism, sometimes even as conduits for the terrorist message, especially now in our multi-platform social media environment. Beyond contemporary names and places, we will seek linkages – possible new turning points – relevant to the terrorism and the press from the fields of broadcasting, journalism, social networking, geography, political science, sociology, media culture, religious studies, government-press relations, conflict resolution, peace studies and technology.

## Tuesday

### Nobel Prize for Literature winner Alice Munro: Master of the Contemporary Short Story

Instructor: Dr. Barbara Fahey **Cost: \$35**  
4 sessions: Tuesdays, Mar. 4, 11, 18, 25  
10:00 am – noon  
The Lodge, Maravilla Room  
Alice Munro writes down-to-earth stories about ordinary, small-town people, yet critics shower her with praise. This class will examine a selection of stories from across Munro's 50 years of literary work and enjoy her unique ability to imbue the lives of unremarkable characters with remarkable poignancy and meaning. Specific stories will be suggested for those who wish to enhance their course experience.

### Archeoastronomy

Instructor: Dr. Lou-ellen Finter **Cost \$35**  
4 sessions: Tuesdays, Mar. 4, 11, 18, 25  
1:00 – 2:30 p.m.  
The Lodge, Maravilla Room  
This course will include a look at how Ancient People in the Southwest viewed the sky. We will explore their systematic and conscious engagement with the cosmos to create order in their lives by predicting time for ceremonies, planting, and harvesting. There will be a brief overview of Archeoastronomy sites in other parts of the world.

### Scottsdale Public Art Trolley Tour

**Educational Guide: Scottsdale Public Art docent Cost \$40**  
**Tuesday, Apr. 1**  
**12:30 to approximately 3:30 p.m.**  
**Departing from The Lodge at Maravilla Scottsdale**  
Ride OLLIE the Trolley and walk with other OLLI students on this guided tour throughout north and downtown Scottsdale while you learn about its diverse and award-winning public art. From large-scale integrated artworks to hidden gems, we take you beyond the Civic Center to roadsides, canal paths, public pools, libraries, and more. We will get off the trolley to see feature installations close up, as well as lesser-known and tucked away city treasures. Our public art is outstanding, and the fun of discovery promises to be a great learning experience. Note: The trolley is wheelchair accessible, kneeling for easy access, and air-conditioned. We suggest comfortable walking shoes, a hat, a bottle of water, and sunscreen. Box lunches will be offered by Maravilla. Details will be provided to registrants one week before the tour. Limited to 28 OLLI at ASU members.



## Wednesday

### Educational Travel Opportunities

Instructor: Martha Byrd

Cost Free

1 session: Wednesday, Feb. 12

2:30 – 3:30 p.m.

The Lodge, Maravilla Room

Did you know the travel opportunities offered by the ASU Alumni Association are available to students of the Osher Lifelong Learning Institute? Join us for a presentation to learn about the educational trips we offer and how you can participate. Explore exotic locations, immerse yourself in the culture, history and cuisine of other countries around the globe, meet new people, and see the world with us. In 2014, we are planning to bring you a greater variety of trips with opportunities to experience other cultures and see amazing sights. With trips to every continent, planned with great attention to detail and designed for the Sun Devil traveler, this is educational travel at its best!

### Let Us Entertain You: A Selection of Gilbert & Sullivan Operettas

Instructor: Lori Fisher

Cost \$20

2 sessions: Wednesdays, Apr. 9, 16

10:00 – 11:30 a.m.

The Lodge, Maravilla Room

Join us for two sessions devoted to the beloved musical team that created a new form of exciting and popular opera from 1871 to 1896. The course will include a selection of operettas and their background story. In addition, some “behind the scenes” melodrama will be chosen for wit, satire, and lively lyrics.

## Thursday

### History of Latin Music and its Instruments

Instructor: Dom Moio

Cost \$35

4 sessions: Thursdays, Mar. 6, 13, 20, 27

10:30 a.m. – noon

The Lodge, Maravilla Room

This class will trace the origins of popular Latin music back to Africa. Music will include the Cha Cha, Mambo, Bossa Nova, Samba, and Bomba, to name a few. We will listen to musical examples and learn about the rhythms of different cultures played on various instruments. The instructor will bring in many of the instruments, explain their function and demonstrate traditional rhythms on them.

### From Quarks to Cosmos

Instructor: Dr. Ahren Sadoff, Professor Emeritus

Cost \$35

4 sessions: Thursdays, Mar. 6, 13, 20, 27

1:00 – 3:00 p.m.

The Lodge, Maravilla Room

Explore the universe from its smallest to largest components. Dr. Ahren Sadoff will begin his discussions with a brief description of the methodology of science, using as an example our understanding of the atom from the Greeks to the present day. Next, we'll explore the micro world of quarks and the quantum, including the mysterious elementary particle called the Higgs Boson. These lively discussions will conclude with a look at the largest known elements in the universe, dark matter and dark energy.





## The Science of Cancer

Instructor: Jennifer Donovan

Cost \$30

3 sessions: Thursdays, Apr. 3, 10, 17

3:30 – 5:00 p.m.

The Lodge, Maravilla Room

This course will introduce current research findings about the viruses that cause cancer. Current research will be discussed along with applications that their findings may have to our lifestyle as individual consumers, as well as environmental connections possible to cancer. We will discuss the interplay that genetics and environment have on the impact of one's health as related to cancer.

## Friday

## Who was Shakespeare?

Instructor: Dr. Ian Moulton

Cost \$35

4 sessions: Fridays, Feb. 14, 21, 28, Mar. 7

10:30 a.m. – noon

The Lodge, Maravilla Room

This course will explore the question of Shakespeare's authorship of the plays attributed to him, examining the historical evidence for each of the figures proposed as author of Shakespeare's plays: Francis Bacon, Christopher Marlowe, the Earl of Oxford, and William Shakespeare himself. We'll explore, "Who was Shakespeare, and why does it matter?"

"Thanks to all of you who make the OLLI experience so excellent. As a "first timer" at OLLI, I took three classes and one lecture. I very much enjoyed the high quality and breadth of the courses. The professors, I felt, were outstanding. I am looking forward to the next semester."

Dr. Scott Idzorek  
OLLI at ASU member

## maravilla scottsdale | how to register!

### Maravilla Scottsdale

7325 E. Princess Blvd.

Scottsdale, AZ 85255

480-538-5600

Email: [lifelonglearning@asu.edu](mailto:lifelonglearning@asu.edu)

Website: [www.lifelonglearning.asu.edu/scottsdale](http://www.lifelonglearning.asu.edu/scottsdale)

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.

### refund policy

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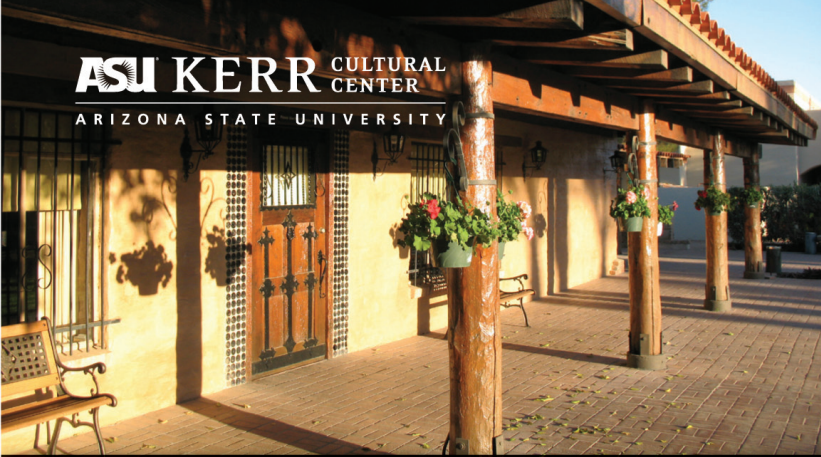
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TUCSON: OCT 19-20

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TUCSON: NOV 23-24



## LA BOHÈME

PHOENIX: JAN 24-26  
TUCSON: FEB 1-2



## LA TRAVIATA

PHOENIX: FEB 28, MAR 1-2  
TUCSON: MAR 8-9



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For More Information Contact: Craig Talmage,  
moderator of our Ning site: [ctalmage@asu.edu](mailto:ctalmage@asu.edu)

# Osher Lifelong Learning Institute at ASU

## get to know our faculty and lecturers

### **Aannestad, Per – Emeritus College at ASU**

Per A. Aannestad, Ph.D., received his undergraduate degree in astronomy from the University of Oslo, Norway, and his graduate degrees from the UC, Berkeley. His postdoctoral years were spent first at the Goddard Institute for Space Studies in New York and later at Steward Observatory, University of Arizona, studying the far-infrared sky via balloon observations. Dr. Aannestad was a professor of physics and astronomy at ASU for 30 years. His research interests were the physics of the interstellar medium, interstellar dust, and star formation. He is currently the director of the ASU Emeritus College Academy for Continued Learning.

### **Ackerman, Heather**

Heather Ackerman is a Ph.D. candidate at ASU where she studies the intersection of economic theory and idolatry in the English Renaissance. From Shakespeare to Disneyana, she has taught a diverse slate of classes devoted to literature and cultural theory.

### **Ashley, James**

James Ashley, Ph.D., is a planetary scientist with the ASU Mars Exploration Rover mission. He conducted his postdoctoral research at the Lunar Reconnaissance Orbiter Camera (LROC) Science Operation Center at the ASU School of Earth and Space Exploration. Dr. Ashley is known for his engaging commentary and fascinating close-up visual displays of our planets, and has consulted for several History Channel and Discovery Channel programs. Dr. Ashley works as a close-up magician on those rare cloudy nights.

### **Barfoot, Charles**

Charles H. Barfoot has been teaching for the department of religious studies (SHPRS) at ASU since 2005. He received his education from Princeton Theological Seminary, Harvard University Divinity School, and The Graduate Theological Union, Berkeley. His biography of Aimee Semple McPherson (Equinox, 2011) was called 'definitive' by *The Times Literary Supplement*. Presently, Charles is working on two other religious biographies. Much of his work is focused on the Southwest.

### **Bennett, Josh**

Josh Bennett received a master's in music from ASU and has performed with various groups including the Arizona Opera, the Symphony of the Southwest, and Crossing 32nd Street. Along with performing, he has been teaching for more than 15 years as a private music instructor, and since 2010 Josh has been teaching music and humanities at Paradise Valley Community College.

### **Byrd, Martha**

Martha W. Byrd, M.Ed., is the executive director of operations at the ASU Alumni Association, where she is responsible for fiscal and business services at the organization, marketing and membership, member services, the association's travel program, and Old Main's building operations. Martha has a master's degree in higher education (1997) and adult education from ASU.

### **Celestian, Stanley**

Stanley Celestian has been teaching geology courses at ASU since 2005, including physical geology and natural disasters. He has also taught geology, physical science, and astronomy at Glendale

Community College, Embry-Riddle Aeronautical University, and Wayland Baptist University. Stan conducted workshops in Rocks and Minerals for the Arizona Department of Mines and Mineral Resources, and was the NASA Ambassador to Jupiter and the Solar System for Arizona. He received a Master of Science in Geology (Paleontology) from NAU.

### **Chhetri, Nahlil**

Nalini Chhetri, Ph.D., is a climate change science manager and faculty in the Global Institute of Sustainability and School of Sustainability at ASU. She manages the Center for Integrated Solutions to Climate Challenges at ASU and she teaches classes on greenhouse gas emissions. Dr. Chhetri works closely with cities, municipalities, state agencies, and with ASU's faculty in areas of urban heat island, tree and shade, heat impacts, water and energy nexus, urban spaces, and vulnerability and resiliency. Dr. Chhetri conducts research in climate adaptation in developing countries.

### **Crudup, Keith**

Keith Crudup, Ph.D., is full-time faculty for the philosophy and religious studies department at Mesa Community College. Dr. Crudup has taught World Religions; Myth, Symbol and Ritual; Religion in the Modern World; African American Religion; and Religions of Asia. He is a member of The American Academy of Religion (AAR).

### **Davis, Rabbi David – Professor Emeritus**

Rabbi David Davis, D.D., is a professor of theology and religious studies and was the first occupant of the Benjamin and Mae Swig Chair in Judaic Studies at the University of San Francisco, of which he was the founder and director. The Jesuit President of the University of San Francisco referred to Rabbi Davis as a "one man ecumenical movement" for his work in building bridges between the American Jewish and Christian communities. He was named professor emeritus at USF and most recently is a faculty member of Barrett, The Honors College at ASU.

### **Dolin, Penny Ann**

Penny Ann Dolin has been an ASU faculty member since 1998, formerly with the department of technology management, and currently serves as the graphic information technology program chair in the department of engineering. As a professor in a digital discipline, Penny teaches on security issues online.

### **Dombrowski, Rosemarie**

Rosemarie Dombrowski, Ph.D., earned her doctorate in American literature at ASU where she is currently a lecturer of English. She is the co-founder and host of the Phoenix Poetry Series, as well as, the editor of the undergraduate writing journal on ASU's Downtown Phoenix campus. Her writing (poetry, fiction, and non-fiction) has appeared in *Columbia Review*, *Ginosko*, *Tipton*, *Salt River Review*, *Stickman*, and most recently, *A Clean, Well-Lighted Place* and *The Huffington Post*.

### **Donovan, Jennifer**

Jennifer Donovan has been teaching biology and chemistry for 15 years with a M.Ed. in Curriculum and Instruction and an M.S. in Biology. Currently, she is pursuing a doctorate focused on cognitive psychology with a planned dissertation focused on aggressive medical interventions in children with specific genetic disorders.



She has also worked with the AERO Institute and NASA to design radiation experiments for the STEM Excelsior Mission. Most recently, Jennifer is working on a fellowship to attract students into STEM careers.

#### **Fahey, Barbara**

Barbara A. Fahey, Ph.D. is emeritus professor of English at Scottsdale Community College, where she taught literature and writing classes for 25 years. She earned a bachelor's in English at UCLA and a master's and a doctorate in English at ASU. She taught literature and writing courses at the U of A before joining the faculty at SCC, where she also served as English department chair.

#### **Fellner, Dan**

Dan Fellner is a faculty associate at ASU, where he has taught courses in journalism, English and communications since 1998. As a twotime Fulbright Scholar and twotime Fulbright Senior Specialist, he has taught at several universities in Eastern Europe. Aside from his teaching duties, Fellner is an experienced travel writer who has published more than 60 articles in a wide variety of newspapers and magazines, including the *Arizona Republic* and *Highroads* magazine. He has visited more than 110 countries and written about such diverse destinations as Greenland, Swaziland, Kosovo, Tunisia, New Zealand, South Africa and Vietnam.

#### **Finter, Lou-ellen – Emeritus College at ASU**

Lou-ellen Finter, Ph.D., is a former professor of music with an avocation in Southwest prehistory and history. She has been involved in education for over 40 years and has worked in schools and universities as well as the New York State Department of Education. Dr. Finter is a member of the Emeritus College at ASU where she gives lectures.

#### **Fisher, Lori**

Lori Fisher is director of education for Arizona Opera. She holds a bachelor's in vocal performance from Radford University with an emphasis in music therapy, and a master's in education in curriculum and instruction. Lori has performed with the Utah Opera Chorus for over 10 years, the Park City Singers, and in communities throughout Utah and Washington, D.C. She is a former conductor of "Voices in Harmony" Children's Choir, and former assistant conductor of Park City Singers. Lori is a member of the Metropolitan Opera National Competition Auditions Arizona District Board.

#### **Foster, David W.**

David William Foster, Ph.D., is Regents' Professor of Spanish, Humanities, and Women's Studies at ASU. He served as chair of the department of languages and literatures from 1997-2001. His research focuses on urban culture in Latin America, with emphasis on issues of gender construction and sexual identity, as well as Jewish culture. He has written extensively on Argentine narrative and theater, and he has held Fulbright teaching appointments in Argentina, Brazil, and Uruguay. His books include: *Urban Photography in Argentina* (2007), *Latin American Documentary Filmmaking: Major Works* (2013), *Glimpses of Phoenix: The Desert Metropolis in Written and Visual Media* (2013), and others.

#### **Hendrickson, Kirstin**

Kirstin Hendrickson, Ph.D., is a senior lecturer in the department of chemistry and biochemistry at ASU, with a strong background in organic chemistry, zoology and psychology. She is the author of science textbooks, has published several articles in scholarly journals, has written articles about science for popular media sources, including *Scientific American*, blogs about evidence-based decision making, and was recently a guest lecturer at the ACMRS Scholar Series at the DaVinci Exhibit, Arizona Science Center.

#### **Hopkins, Richard**

Richard S. Hopkins, Ph.D., is a faculty associate in the School of Historical, Religious, and Philosophical Studies at ASU. He teaches courses in European, global, and urban history from the renaissance to the contemporary era. Dr. Hopkins currently is the managing editor of the academic journal *French Historical Studies*.

#### **Hsia, Chia-Mei**

Chia-Mei Hsia is a doctorate student in the School of Community Resources and Development at ASU. Her research interests include community development, community-based art practice, and urban design. She has 10 years of experience working as a practitioner in the field of landscape design and community partnership. Her research examines a new idea of culture circuit within community art.

#### **Jacob, Richard – Emeritus College at ASU, Barrett Emeritus Fellow**

Richard Jacob, Ph.D., taught physics at all levels at ASU for almost 40 years before retiring. He served as chair of the department of physics and astronomy and is the founding dean of the Emeritus College at ASU. His teaching areas emphasized quantum physics, relativity, electrodynamics, and mathematical physics, and his research is in theoretical elementary particle physics.

#### **Jones, Christopher**

Christopher Jones, Ph.D., is an assistant professor of history in the School of Historical, Philosophical, and Religious Studies at ASU. He received his B.A. from Stanford University and his M.A. and Ph.D. from the University of Pennsylvania, History and Sociology of Science Department. Before joining ASU, Dr. Jones held postdoctoral fellowships at the Harvard University Center for the Environment and the Ciriacy-Wantrup Fellowship at the University of California, Berkeley.

#### **Lee, Rabbi Barton G.**

Rabbi Barton Lee, Ph.D., was Rabbi/Executive Director of the Hillel-Jewish Student Center at ASU for 40 years and also taught courses in history, religious studies, and Jewish studies as a faculty associate. He graduated from Stanford University and Hebrew Union College in Cincinnati and earned his doctorate from Hebrew Union College in 1998. Rabbi Lee has also studied in Israel. Rabbi Lee translated *Yalkut Derekh Eretz, A Handbook on Gracious and Moral Conduct*, by Rabbi Joshua Briskin. Recently Rabbi Lee published, *My Prayers—A Child's Book of Prayers for Every Day*, with Rabbi Roy Walter.

#### **Libman, Jeff**

Jeff Libman is an instructor in the department of jazz studies at ASU and is currently pursuing a doctorate in music education at ASU. As a jazz guitarist, Libman performs frequently in the Phoenix metropolitan area. Libman's debut CD, entitled *Not Even the Rain*, has been featured on over a dozen major jazz radio stations, including KKJZ Los Angeles.

#### **Lussier, Mark**

Mark Lussier, Ph.D., is professor of English and chair of the department of English at ASU in the College of Liberal Arts and Sciences. Professor Lussier, a specialist in Romantic literature and critical theory, earned a doctorate in English at Texas A&M University. Dr. Lussier is the author of *Romantic Dynamics: The Poetics of Physicality* and *Blake, Lacan, and the Critique of Culture*. He is widely published including his many essays on William Blake and on Romanticism. His most recent monograph entitled *Romantic Dharma: The Emergence of Buddhism into Nineteenth-Century Europe* was honored by the ASU Institute for Humanities Research in Fall 2013.

**McNeil, Elizabeth**

Elizabeth McNeil, Ph.D., teaches in the School of Letters and Sciences at ASU. She received her M.F.A. in Creative Writing and Ph.D. in American Ethnic and Women's Literatures from ASU, where she has taught writing and literature since 1989. Her publications include a chapbook, *Why We Need to Come Home*. Her creative work has also appeared in *Fourteen Hills*, *Flint Hills Review*, *Hayden's Ferry Review*, and *Flyway*, among other journals. She has published a scholarly monograph, *Trickster Discourse: Mediating Transformation for a New World*, and is co-editor of *Sapphire's Literary Breakthrough: Erotic Literacies, Feminist Pedagogies, Environmental Justice Perspectives*. Her current research and teaching interests in ethnic and gender studies include women's science and literature; women and film; transgender and intersex literature and film; and "freak" studies (disability) literature and film. Her most recent community outreach efforts have included library development and literacy/writing programs at various Arizona prisons.

**Moio, Dom**

Dom Moio, now in his 20th year of teaching at ASU, is a senior lecturer in The Herberger Institute for Design and the Arts. Dom teaches Jazz Drum Set to jazz and classical percussion majors, and conducts the ASU Latin Jazz Ensemble. He has authored nine books including *Latin Percussion for Gringos*, *Latin Percussion in Perspective* and *Be-Bop Phrasing for Drums*. Dom's trail of success includes performing with jazz luminaries such as Mose Allison, Herb Ellis, Ahmad Jamal and Clark Terry, along with star acts Tony Orlando, Debbie Reynolds and Joan Rivers. Dom has recorded with the great Carl Fontana, and The Jazz Nonet with Chuck Marohnic and Greg Hopkins.

**Morrison, Jayson**

Jayson Morrison is a doctorate candidate in the Theatre and Performance of the Americas program at ASU where he has taught courses in theatre history and dramatic analysis. He holds a master's in theatre studies from Ohio State University and has served as dramaturg for mainstage productions at the University of Washington, OSU, ASU, and at La Jolla Playhouse.

**Moulton, Ian**

Ian Frederick Moulton, Ph.D., is a professor of English and faculty head of interdisciplinary humanities and communication in the School of Letters and Sciences at ASU. He received his Ph.D. from Columbia University and is an active member of the Arizona Center for Medieval and Renaissance Studies. Dr. Moulton is a cultural historian and literary scholar who is published widely on Renaissance England and Italy. He has taught film studies for many years and is currently editing a volume on the use of digital media in the teaching of Shakespeare.

**Penich-Thacker, Dawn**

Dawn Penich-Thacker, Ph.D., is the director of Strategic Communication at South Mountain Community College. Her research and teaching interests include ancient rhetorical theory, cross-cultural rhetorics, writing about government and politics, and subcultural rhetorics. She has published and presented on interdisciplinary writing curriculum, the rhetoric of punk rock, women's rhetoric in Balkan folklore, the rhetoric of the "Don't Ask, Don't Tell" policy, and the role of social networking in the federal government.

**Pennak, Sara**

Sara Pennak is a faculty associate in the department of psychology at ASU where she is also the director of Program Development

and Clinical Initiatives. She teaches an upper-division course in research ethics for the behavioral sciences, and courses in research methods and abnormal psychology. In 2013, Sara was named a Teaching Fellow by ASU's Lincoln Center for Applied Ethics. She has specialized in public policy analysis, program implementation, institutional analysis, research design, and data management. She also co-authored, *What on Earth? 100 of our Planet's Most Amazing New Species*, which was released April (2013) by Penguin Books.

**Peterson, Bjorn**

Bjorn Peterson is a doctorate student in the School of Community Resources and Development at ASU. He is also owner of ArcWorks Consulting, specializing in nonprofit organizational development, processes for social justice, and intercultural competency. For 15 years, Bjorn has worked with and managed nonprofit organizations, community partnerships, and various faith communities.

**Pfister, Michael**

Michael Pfister, Ph.D., is a professor in the School of Letters and Sciences at the ASU. He has a bachelor's in English literature, a master's in American studies, and received his doctorate from ASU. Dr. Pfister's interests are rooted in multidisciplinary work that is inclusive of composition, literature, music, cultural studies, and digital culture.

**Plascencia, Luis F. B.**

Luis Plascencia, Ph.D., is assistant professor of anthropology and sociology, Southwest Borderlands scholar, affiliated faculty in the School of Transborder Studies, and affiliated faculty in the School of Public Affairs for ASU. Prior to joining ASU, he was project coordinator/research associate for the Public Policy Institute in the government department, and lecturer for the Center for Mexican American Studies at The University of Texas at Austin. Dr. Plascencia has held the position of policy and budget analyst at the Texas Governor's Office, and associate director of the Texas Office of The Tomás Rivera Policy Institute.

**Raat, W. Dirk – Emeritus College at ASU**

W. Dirk Raat, Ph.D., is a professor emeritus, SUNY, Fredonia. He received his doctorate from the University of Utah. He taught Mexican and Latin American history for 34 years at the University of Utah, Moorhead State College in Minnesota, the State University of New York in Fredonia, and at ASU. He has authored several articles and eight books on the history of Mexico and Mexico – U.S. relations. He is currently working on a book project with Navajo artist Steven Yazzie and Heard Museum curator Janet Cantley on the 19th century experiences of Native American groups in the Greater American Southwest. Dr. Raat is an adjunct professor at ASU and a docent for the Heard Museum.

**Ramsey, Eric Ramsey – Barrett, the Honors College at ASU**

Ramsey Eric Ramsey, Ph.D., holds a doctorate from the Joint Program in Philosophy and Communication, Purdue University. He is currently the associate dean of Barrett, the Honors College at ASU's West campus, and he teaches advanced honors seminars in philosophy. Dr. Ramsey is the recipient of the ASU at the West campus award for Excellence in Teaching, and a Wakonse Teaching Fellow. Dr. Ramsey's work is undertaken from a continental philosophical perspective dealing with questions concerning the ethical practice of communication, contributing thought to both theoretical debates and praxis-oriented discussions. He is the author of two books: *Leaving Us to Wonder: An Essay on the Questions Science Can't Ask* (co-authored with the biologist Linda Wiener) and *The Long Path to Nearness*, a philosophical contribution to communication theory and ethics.

**Reamer, Allen**

Allen Reamer has taught a variety of studio art and art history courses for over 40 years. Allen has a B.A. in Art and an M.F.A. in Sculpture. He was the president of the District of Columbia Art Education Association for 10 years and was very active with the National Art Education Association. Allen is represented by The Gallery at 915 in Fredericksburg, Virginia, and exhibits with the Neu Art Group in Arizona. His recognitions include the NAEA's Washington Art Teacher of the Year, a Cafritz Fellowship, and letters from President Clinton.

**Rutowski, Ronald**

Ron Rutowski, Ph.D., is a professor in the School of Life Sciences at ASU and has taught and conducted research for 30 years. His many scientific publications describe his international and internationally-known research on the nature and functions of insect and butterfly behavior and coloration.

**Sadoff, Ahren – Emeritus College at ASU**

Ahren Sadoff, Ph.D., received his bachelor's degree from MIT and his doctorate from Cornell University in experimental high energy particle physics. He is presently professor of physics at Cornell where he teaches the course "Why the Sky is Blue" aimed at non-science students, and "Concepts of Modern Physics" aimed at first-year physics majors. A skilled translator of complex scientific concepts, Dr. Sadoff most recently published book *Questioning the Universe*, explains to the non-physicist the factors that keep our universe orderly, operational and awesomely beautiful.

**Schmaltz, Timothy**

Timothy J. Schmaltz is the retired coordinator of the Protecting Arizona's Family Coalition, an advocacy alliance dedicated to protecting and increasing health and human services funding. He is currently a consultant for nonprofits and community groups in areas of leadership development, advocacy, spirituality, and public policy and health and human services. Tim has a master's degree in social work, and 40 years of executive management, planning, program and public policy experience. He is a longtime community activist in peace and social justice concerns and a published author in the areas of spirituality of everyday life, spirituality of work and family life, and public policy and social analysis.

**Schmidtke, Paul**

Paul Schmidtke, Ph.D., is a senior lecturer in the School of Mathematical and Natural Sciences at ASU where he teaches astronomy courses. He received a doctorate in astronomy from The Ohio State University, and has worked for Kitt Peak National Observatory in Tucson and the Center of High-Angular Resolution Astronomy at Georgia State University. Dr. Schmidtke collaborates with colleagues in ASU's School of Earth and Space Exploration (SESE) and with astronomers at the Dominion Astrophysical Observatory in Victoria, BC. He is a recognized expert on the photometry (measuring brightness variations) of X-ray binaries, and his studies utilize telescopes around the world and in space.

**Schwartz, Debra**

Debra A. Schwartz, Ph.D., is a veteran journalist specializing in combining humor writing with hard news, features and personal experience. Her work includes articles about aphrodisiacs for the American Chemical Society and satire for local newspapers in Chicago. She is currently a writing instructor at ASU, and enjoys a private practice coaching memoir humor writing.

**Selover, Nancy**

Nancy J. Selover, Ph.D., is a research professor in the School of Geographical Sciences and Urban Planning at ASU, and is the

state climatologist for Arizona. Dr. Selover received her doctorate in geography (climatology) from ASU. As climatologist, she presents on various climate topics and also provides climate data and information to researchers, state and city agencies, private business and the public. Dr. Selover teaches a meteorological course at ASU, and mentors K-12 teachers in conjunction with the American Meteorological Society. Her research interests focus on urban heat island, microclimate, and evaporation.

**Sharpes, Donald – Emeritus College at ASU**

Donald K. Sharpes, Ph.D. is a professor in the Emeritus College at ASU. He is a senior visiting fellow at Cambridge University, a former research associate at Stanford University, and technical division director in the U.S. Department of Education in Washington, DC. Dr. Sharpes did postdoctoral studies at the University of Sussex, he was a visiting scholar at Oxford University, and has lived and worked in Asia and the Middle East. He has taught at universities across the country, and is the author of 21 books and over 240 articles in the fields of social and behavioral sciences, humanities, and teacher education. Dr. Sharpes was a foreign correspondent for *The Salt Lake Tribune*, a contributor to several newspapers, and has been published worldwide. He has been awarded five Fulbright scholarships and was sponsored by governments and universities throughout the world. He was distinguished visiting professor at Qinghai Normal University and the first American inducted as a fellow in the China Senior Professors Association. Dr. Sharpes was awarded a Lifetime Achievement Award from the International Studies of the American Educational Research Association, where he served as president.

**Silcock, B. William**

B. William Silcock, Ph.D., is a scholar and leading innovator in journalism education. Dr. Silcock is the curator of the Hubert H. Humphrey Fellowship Program at ASU and the director of Cronkite Global Initiatives. An associate professor at the Walter Cronkite School of Journalism and Mass Communication, he was twice selected as a Fulbright Scholar (Ireland and Sweden) and has co-authored two books. "Dr. Bill," as he is known around the halls of the Cronkite School, trains journalists globally; most recently in Croatia (2012), Sri Lanka (2011), Jordan (2011), Kyrgyzstan (2010) and Serbia (2009) for the U.S. State Department and private companies. He's conducted over 50 workshops in the last decade for journalists on such topics as election reporting, social media and ethics. Experienced as an award-winning documentary producer, *Backstage at a Presidential Debate: The Press, the Pundits and the People* aired on PBS stations, won a 2004 juried faculty Award of Excellence from the Broadcast Education Association and the Houston International Film Festival's Gold Award of Excellence.

**Spindler, Rob**

Rob Spindler is university archivist and head of the department of archives and special collections at the ASU Libraries. He holds a bachelor's and master's in history from Boston University and a Master of Science from the Simmons College Graduate School of Library and Information Science. Rob is a Distinguished Fellow of the Society of American Archivists. He is the founding co-chair of the Arizona Archives Summit and founding project coordinator for Arizona Archives Online. Rob has served on the State Historical Records Advisory Board since 2001.

**Stewart, Pamela**

Pamela Stewart, Ph.D., is a historian in the School of Letters and Sciences at the ASU. She holds a doctorate in modern European history and comparative women's history. Her research currently focuses on women athletes in U.S. history, such as Ina E. Gittings,



a multi-faceted pioneer and the first university director of Women's Physical Education in Arizona (1920-1952). Dr. Stewart is also researching another book project on women-headed households in Arizona, 1870 to 1940. She has been the recipient of research, teaching, and service awards, including ASU's Centennial Professorship and is a docent at the Phoenix Art Museum.

#### **Sweat, Ken**

Ken Sweat, Ph.D., is a senior lecturer in the New College of Interdisciplinary Arts and Sciences at ASU where he has taught biology courses since 2000. He received a bachelor's degree in biology and mathematics from Claremont McKenna College, and his master's degree and doctorate from ASU. During this time, he worked as an endangered species biologist for two years and as an environmental consultant on natural and cultural resource issues.

#### **Tasso, João**

João Tasso is a visiting researcher in the School of Community Resources and Development at ASU. On behalf of the Brazil Ministry of Tourism, he coordinated sustainable tourism projects in Northeast Brazil between 2008 and 2011. He received his B.A. in tourism at São Paulo State University. He is currently working on his doctorate degree in sustainable development at the University of Brasília.

#### **Tetreault, Colin**

Colin Tetreault is a faculty member at ASU's Global Institute of Sustainability where he specializes in Business and Sustainability Strategy & Energy and Environmental Policy. He acts as a loaned executive to Mayor Greg Stanton where he serves as the senior policy advisor for Sustainability. Colin is charged with advancing policy – over 520 sq. miles and 1.5 M persons – that creates resilient and robust economic opportunity for all, protects and expands environmental and natural systems, and fosters and grows our beautiful and vibrant pluralistic culture.

#### **Vernacchia, Ralph**

Ralph Vernacchia, Ph.D., is professor emeritus at Western Washington University, Bellingham where he directed the undergraduate and graduate programs in sport psychology, as well as WWU's Center for Performance Excellence. He has presented extensively on a variety of sport psychology topics throughout the nation and authored four sport psychology textbooks, including *Coaching Mental Excellence and Inner Strength*. He has traveled internationally as a performance consultant with several USA international track and field teams, including the 2000 USA Olympic Track and Field Team that competed in Sydney, Australia. Dr. Vernacchia retired from Western Washington University in the spring of 2011 after 38 years of service.

#### **Waldron, Vincent**

Vince Waldron, Ph.D., is professor of communication studies at ASU and a passionate student of local archaeology. He has been a member and officer of the Arizona Archaeological Society (Agua Fria Chapter) since 2002. Dr. Waldron was raised in the Phoenix area, where he developed a curiosity about native cultures, their history, and the many artifacts they left behind in the Salt River Valley. He has studied local rock art and habitation sites, and frequently leads interpretative hikes to both popular and lesser known locations. Dr. Waldron enjoys sharing his knowledge with others and is committed to the respectful preservation of these important reminders of our cultural history.

#### **Whatley, Guy**

Guy Whatley, DMA, received a doctorate in music from ASU and is an American organist and harpsichordist. He studied music at the universities of Cambridge, Oxford, and Bristol and continued

his organ studies in Stuttgart, Lyons, and throughout Europe. Dr. Whatley along with trumpeter Jean-Christophe Dobrzelewski founded the ensemble Triptyque, taking their performances across Europe and North America. Currently, he is the director of music and the organist for Camelback Bible Church.

#### **Zhao, Shengnan (Nancy)**

Nancy Zhao is a doctoral candidate at the School of Community Resources and Development at ASU. Her research interest includes cultural tourism, sustainable tourism, politics of heritage (communist heritage tourism), and residents' attitude towards tourism. She has participated in several longitudinal and horizontal research projects, such as Protection of Ecotourism Resource in Tibet.

## **Our Abundant Aging and Longevity Scholars**

#### **Eric Reiman**

Dr. Eric Reiman is chief executive officer of Banner Research, executive director of Banner Alzheimer's Institute, clinical director of the Neurogenomics Division at the Translational Genomics Research Institute (TGen), professor of psychiatry at the University of Arizona, and director of the Arizona Alzheimer's Consortium. His research focuses on brain imaging, genomics tracking and the study of Alzheimer's disease.

#### **Michael Birt**

Dr. Michael Birt is director of the Center for Sustainable Health at ASU and interim co-director of ASU's Biodesign Institute. He is also executive director of the Pacific Health Summit as well as affiliate investigator at the Fred Hutchinson Cancer Research Center. He specializes in the research of aging support mechanisms, cancer treatment, and longevity.

#### **David Coon**

Dr. David Coon is associate vice provost for research collaborations and professor in ASU's College of Nursing and Health Innovation, and serves as the Virginia G. Piper Charitable Trust Faculty. His research interests include psychosocial interventions for older adults facing chronic illness (Alzheimer's disease, cancer, HIV/AIDS) and their family caregivers.

#### **Heather Bimonte-Nelson**

Dr. Heather Bimonte-Nelson is associate professor and program director of Behavioral Neuroscience, in the Department of Psychology, at ASU's College of Liberal Arts and Sciences. Her research focuses on cognitive and brain changes during aging, effects of menopause type and hormone exposure across the lifespan, and strategies to attenuate mnemonic and neurobiological age-related alterations using animal models.

#### **Mark Lussier**

Dr. Mark Lussier is professor and chair of the Department of English in ASU's College of Liberal Arts and Sciences. He is a widely published specialist in Romantic literature and critical theory, and carries exceptional ability to translate insights from literary and cultural expressions to the understanding of social dynamics in everyday life.

#### **Brian Smith**

Dr. Brian Smith is professor and director of ASU's School of Life Sciences and chair in the Interdisciplinary Graduate Program in Neuroscience. His research focuses on learning and memory of animals, and how neural and molecular mechanisms encode information in the peripheral and central nervous system. He works with mathematicians to develop computational models of the dynamics of neural networks.

## The Bernard Osher Foundation

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