Central Tucson
Spring 2019 Catalog
Mondays

Decision Making Tools for Your Health Season 2

Subject Area: Health/Self Help, Science/Math

Mondays: 4 Sessions 9:00 AM - 11:00 AM  Start: Mon 1/21/19  End: Mon 2/11/19
Tucson Place: Ocotillo Room

Course Description
This is a continuation of the course given during the monsoon session 2018. This will be all new material. Session 1 will cover Women's Health (breast, cervical and ovarian cancers as well as diagnosis/ prevention/ treatment of osteoporosis). Session 2: vaccines, common over-the-counter meds, herbals, supplements and the opioid crisis. Session 3: Aging, caregiver tips, elder driving and how to get the most out of your doctor's visit. Session 4: Hearing loss, choosing a health care provider, insomnia/ sleep apnea/ sleep hygiene, radiation exposure in medicine and congestive heart failure (time permitting).

Instructor: Michele Romano, MD
Dr Michele Romano is a Family Physician in Fairfax, Virginia who retired in 2015. She attended VCU (Virginia Commonwealth University) School of Medicine and was elected into the AOA National Medical Honor Society in her junior year. She held a faculty appointment as an associate professor of clinical medicine at VCU and served on both the VCU Board of Trustees and the VCU Health System Board. She was regularly listed as a Top Doc in the Washingtonian Magazine. Dr Romano was also a nurse for 12 years before going to medical school. She opened and supervised the first intensive care unit if Fairbanks, Alaska in 1970. She and her husband have a second home in Tucson where they spend the winter.

Writing for Self Discovery

Subject Area: Literature/Writing/Language

Mondays: 6 Sessions 9:00 AM - 11:00 AM  Start: Mon 1/21/19  End: Mon 3/4/19  No class on 2/18.
Tucson Place: Palo Verde Room

Course Description
In this 6-session course we will be writing essays about things that have happened in our lives, and the feelings and emotions we have experienced along the way. You will write a total of five essays (900-word maximum), on topics such as memories from growing up, decisions that affected your life, emotional experiences, and something you are dealing with right now. Register only if you are committed to writing weekly essays, are open to giving and receiving constructive feedback, and can meet the requirements below:
COURSE REQUIREMENTS: To take this course, you must (1) commit to attending at least 5 of the 6 sessions, and (2) be able to compose your essays as a Word or Pages document and email this document to others in the class as an attachment. PLEASE REGISTER ONLY IF YOU CAN MEET BOTH OF THESE REQUIREMENTS

Instructor: Bruce Goldstein

Bruce Goldstein was on the psychology faculty at the University of Pittsburgh from 1969 to 2008, during which time he wrote multiple editions of college textbooks on perception and cognition. He has also written numerous personal essays, and has taught the OLLI Writing for Self Discovery course for the last 5 years at Carnegie-Mellon University and Arizona.

**Your Amazing Mind**

**Subject Area:** Science/Math

**Mondays:** 8 Sessions 11:15 AM - 1:15 PM  **Start:** Mon 1/21/19  **End:** Mon 3/18/19 - **No class on 2/18.**

**Tucson Place:** Saguaro Room

**Course Description**

The title of this 8-session course says it all. The mind is truly amazing. It is responsible for everything you do and are, and often accomplishes its feats in mysterious ways. We begin by describing how scientists have studied the mind, and what their work has revealed about the relationship between mind, brain and experience. We then describe the mechanisms behind some of the things the mind does, including perceiving, remembering, thinking, reacting, and relating to other people. The emphasis will be on discussing how the mind creates our everyday experiences.

Instructor: Bruce Goldstein

Bruce Goldstein taught in the psychology department at the University of Pittsburgh from 1969 – 2008 and is currently an adjunct faculty member in the psychology department at the University of Arizona. He received the Chancellor’s Distinguished Teaching Award from the University of Pittsburgh for his classroom teaching and his two widely-used college textbooks – Sensation & Perception and Cognitive Psychology. He is currently writing a book titled “The Mind,” which highlights cutting-edge research on many facets of the mind. He has been teaching this OLLI course at Carnegie-Mellon University and the University of Arizona for the past 6 years.

**News and Views, Horn**

**Subject Area:** History/Current Events

**Mondays:** 12 Sessions 11:15 AM - 1:15 PM  **Start:** Mon 1/21/19  **End:** Mon 4/8/19

**Tucson Place:** Palo Verde Room

**Course Description**

A lively discussion of current events and topics chosen by the class through a voting process. Topics generally cover, local, state and national politics as well as issues important to class members.
Instructor: Steve Horn

After a 30-year career with IBM in the areas of Community Relations and Corporate Diversity Programs, I retired to take on the COO roles at both the Detroit Zoo and Michigan Humane Society. My partner David and I moved to Tucson from Detroit and shortly, thereafter, discovered OLLI.

Over the last four years I have lead the News and Views class, and often feel I am getting more from the class, than the members. Along with leading N&V’s and attending classes, my time is spent cooking, bike riding on the Rillito bike path, and figuring out the world of desert plants. OLLI is a true asset to our community and I look forward to being part of the team that works so diligently to offer the best in classes.

Your Next Big Step: A Guide to Senior Living and Care

Subject Area: Health/Self Help

Mondays: 4 Sessions 11:15 AM - 1:15 PM  
Start: Mon 1/21/19  End: Mon 2/11/19

Tucson Place: Saguaro Room

Course Description
Most of us will face some hard decisions when we can no longer live on our own. This course will help prepare us for that process. There are many ways to get the care we will need, some of which you may not know about. Some are affordable, others, not so much. We'll discuss needs assessment, aging in place and the various formats for group living. We'll discuss the levels of care and their costs, what questions to ask, how to select a suitable facility and how in the world to pay for it.

Instructor: Loring Green, Susan Green, Jerry Nugent

Bios

Susan and Loring Green have been OLLI members for many years and have presented a variety of subjects for the membership. OLLI member Jerry Nugent spent the bulk of his career in senior (elder) care, mostly in senior management positions. Jerry will add nuance and experience to our understanding. Additionally, we will draw heavily on the staff at Pima Council on Aging (PCOA) for their extensive knowledge of the services and facilities available in Tucson.

Optics in Your Life

Subject Area: Science/Math

Mondays: 5 Sessions 1:30 PM - 3:30 PM  
Start: Mon 1/21/19  End: Mon 2/18/19

Tucson Place: Saguaro Room

Course Description
After a brief introduction to optical processes, the course covers the optics behind blue skies, red sunsets, rainbows, glories, mirages, blue icebergs, mosquitoes, pit vipers and the colors of hummingbirds. It then turns to the origins of lenses, mirrors, microscopes, telescopes, the heliocentric universe, the origins of quantum
physics and relativity, lasers and fiber optics. Finally, it covers all the marvelous things ptics does for us in our daily lives, like, cell phones, GPS, autonomous cars, LED's, lasers, additive manufacturing and solar energy.

Instructor: William Wolfe

William (Bill) Wolfe is Professor of Optics Emeritus, University of Arizona. He has also taught at the University of Michigan and Northeastern University. He consulted with industry and served on many governmental advisory committees. He is a past-president of SPIE, the International Society of Optical Engineers and received its Gold Medal, its highest award. Mr. Wolfe has written four technical and two non-technical books on optics and edited four handbooks.

Preventing And Reversing Disease Through Whole Food, Plant-Based Nutrition

Subject Area: Health/Self Help, Science/Math

Mondays: 6 Sessions 1:30 PM - 3:30 PM  Start: Mon 1/21/19  End: Mon 2/25/19

Tucson Place: Palo Verde Room

Additional Cost: There is a $5 fee to be collected the first session to cover the costs of the food demonstrations.

Course Description
This class will teach participants the key principles for successfully transitioning from eating the standard American diet to a whole food, plant-based diet (WFPB). Many major medical organizations now advocate that eating a WFPB diet is an optimal strategy for preventing and reversing many chronic diseases facing Americans today. Contemporary evidence-based research now finds that about 80% of chronic disease is caused by lifestyle choices and not from one's genetic legacy. Rather than succumb to diseases of cancer, hypertension, heart disease, stroke, diabetes, auto-immune conditions and more, a WFPB diet combined with other appropriate lifestyle choices can greatly reduce the risk of suffering and early mortality from these conditions.

This course will educate class members on the scientific nutritional research that show eating a whole food, plant-based diet is the best strategy for optimal health. The instructors will also teach how to transition from an animal-based diet to one of plants through sharing the best strategies and practices for eating a healthy plant-based diet. One class session will feature a cooking demo and sampling of tasty WFPB dishes. This class is valuable for OLLI members who would like to fully transition to a WFPB diet, or for those who may not be ready to fully transition, but would like to learn why and how to incorporate much more plant food in their diets than they currently eat.

Instructors

Denise Rose, Georgie Campas

Bios

The Happy Vegan Couple comprises Dr. Denise Rose and Georgie Campas. As a couple they have been teaching local Tucson residents about whole food, plant-based (WFPB) nutrition for several years. They have presented classes and cooking demos at a variety of venues including Oro Valley Town Hall
Employees, Pima College Employees, Barefoot Yoga Studio, Via de Dios Christian Center and the Osher Lifelong Learning Institute of the University of Arizona. And they host and cook for private parties held in their home for guests who want to eat a healthy WFPB celebratory meal.

Denise and Georgie have a social media presence on both Facebook and YouTube under the name Happy Vegan Couple. On YouTube, they post their whole food, plant-based cooking videos to help newcomers to the WFPB lifestyle learn how to cook delicious, healthy foods in their own kitchens. And on Facebook, the Happy Vegan Couple page is an educational resource for up-to-date knowledge on plant-based nutrition and its powerful impacts on health, planet sustainability, and sentient beings. They have also published an inspiring guidebook titled, “The Happy Vegan Couple Guide to Whole Food, Plant-Based Eating.” The Happy Vegan Couple were featured speakers at the 2018 VegOut festivals in Scottsdale and Tucson, Arizona and on the radio program, “Doing Life with Dr. Deb” on KGMS Tucson. As a Ph.D. sociologist, Dr. Rose brings a sociological perspective to issues of food policy, public health, planet sustainability and animal welfare.

**TMA Docents Art Talks VI**

**Subject Area:** Arts/Culture

**Mondays:** 6 Sessions 1:30 PM - 3:30 PM  **Start:** Mon 1/21/19  **End:** Mon 2/25/19  

**Tucson Place:** Ocotillo Room

**Course Description**
This is the sixth in the continuing series of the highly popular, LIVE, beautifully illustrated Art Talks presented by Docents of the Tucson Museum of Art. As before each Talk is different from those presented previously. Although most Talks focus on artists and their art, some feature history, mystery and surprise.

Instructor: Richard Woodward

Dick is a frequent study group leader who has five previous versions of this class as well literature and drama classes.

**Great Decisions 2019**

**Subject Area:** History/Current Events

**Mondays:** 9 Sessions 9:00 AM - 11:00 AM  **Start:** Mon 1/28/19  **End:** Mon 3/25/19  

**Tucson Place:** Saguaro Room

**Course Description**
Topics to include:

1. Refugees and Global Migration
2. The Middle East: Regional Disorder
3. Nuclear Negotiations: Back to the Future?
4. The Rise of Populism in Europe
5. Decoding U.S.-China Trade

6. Cyber Conflict and Geopolitics

7. The United States and Mexico: Partnership Tested

8. State of the State Department and Diplomacy

Each session will include a video related to the topic and a discussion of the topic based on the video and readings from the Great Decisions briefing book, which will be available at the first session.

Instructor: Susan Ward

Sue Ward has a master’s degree in comparative politics and international relations from the University of Arizona.

In addition to service in the Peace Corps and 24 years with the UN Association, Sue serves as an overseas polling station supervisor and a human rights inspector for the US State Department and the Organization for Security and Cooperation in Europe. Her overseas election service has taken her to Bosnia and Ukraine twice, and to Kosovo, Kazakhstan, Belarus, Azerbaijan, Armenia, Kyrgyzstan and Georgia.

For nearly eight years, Sue worked for Tucson Newspapers, Inc. and Gannett Newspapers in Tucson and Santa Fe, New Mexico, where she became Gannett’s first woman circulation director.

From 1982 to 2006, Sue served as Education and Program Director for the United Nations Association of Southern Arizona. In addition to her local educational responsibilities, Sue led overseas tours from 1987 through 2006 for travelers interested in the work of the UN. Those tours included countries of Asia, the former Soviet Union, Scandinavia, and the Baltic States. Since her retirement, she has led two recent tours to Singapore, Cambodia (Angkor Wat) and Vietnam and plans another in 2019. She was a delegate from the UN Association of the USA to the United Nations Fourth World Conference on Women in Beijing in 1995.

From 2003 to 2007, she was an Election Specialist with the City of Tucson.

Sue has lived in Tucson for 51 years, teaches classes and leads discussions on foreign policy topics for the Tucson Great Decisions Association and served as President of that group. She also teaches with the Osher Lifetime Learning Institute (OLLI) adult education group. She has served as program vice-president for the League of Women Voters of Greater Tucson and has served as the state president of the State of Arizona League of Women Voters.

How to Start, Sustain, and Scale a New Business Venture

Subject Area: Social Sciences

Mondays: 3 Sessions 9:00 AM - 11:00 AM  Start: Mon 2/18/19  End: Mon 3/4/19

Tucson Place: Ocotillo Room

Course Description

We'll cover the basics of starting a new business venture from exploring potential commercialization opportunities, using collaborative ideation processes to generate new product and service solutions to customer problems, developing a venture vision and mission statement, establishing attainable goals and objectives,
identifying successful strategies and tactics to successfully launch the venture, and working as a team to implement the necessary tasks and assignments. We’ll then cover the essentials for sustaining the new venture and scaling the venture for future growth.

Instructor: Jim Jindrick

Director of Corporate Engagement in the Office of Research, Discovery, and Innovation at the University of Arizona (Tucson) Innovator: Developed products and ventures that generated well over a billion dollars lifetime revenue to date. Engineer: 30+ years technology R&D experience. Inventor: 7 US and 37 international patents. Manager: Corporate experience at large, medium, and small companies. Entrepreneur: Launched internal corporate ventures, spin-off and spin-in companies, and independent startups. Mentor and consultant: advised over 200 new venture planning, development, and launch teams. Angel Investor: pre-launch, startup, and early-stage companies. Educator: 20+ years teaching entrepreneurship and engineering classes. Author: 5280 Tips for Innovators and Entrepreneurs ... [Amazon.com/author/jimjindrick]

Conservative Philosophy in Our Current Political Environment

Subject Area: History/Current Events

Mondays: 3 Sessions 11:15 AM - 1:15 PM  Start: Mon 2/18/19 End: Mon 3/4/19

Tucson Place: Saguaro Room

Course Description
I will explore conservative thinking in three primary areas, markets, race, and domestic policy. In the first area, I will focus on the role that markets have played worldwide in reducing poverty. I will also discuss how markets are better at providing worker protection and setting wages and prices than government. On issues of race, I will discuss my personal journey and explore the power of culture in determining the success of an individual. My final area of discussion, will address education, employment, housing, health care policies, and immigration policies

Instructor: Peter Bell

I'm a 67 year old African American that lives part time (winter) in Tucson with my wife Sharon. In my active work life, I was a senior executive at a large regional bank and still serve on its board. I also served in the cabinet of Governor Tim Pawlenty, as chair of the Met Council, a regional planning agency that also ran the regional transit and waste water treatment systems. I was co founder of a state based conservative think tank. I have written extensively in the op-ed pages of the Minneapolis Tribune and appeared frequently on local radio and T.V.
How to Help Refugee Students in Tucson

**Subject Area:** History/Current Events

**Mondays:** 2 Sessions 1:30 PM - 3:30 PM  **Start:** Mon 2/25/19  **End:** Mon 3/4/19

**Tucson Place:** Saguaro Room

**Course Description**
Coming to America is hard, especially when you don’t know the language or can’t even read the alphabet. Children and teens pick up the spoken language quickly, but their skills in reading and writing take much longer. They have daily homework that their parents can’t help with. They need help from understanding mathematics to reading aloud and talking about the reading. Younger kids need help just learning the alphabet and numbers. This class will give an overview of the ways to help these students, from volunteering in the schools, to a homework center downtown, to working one on one or working with Literacy Connects. You don’t need a teaching background to help.

**Instructor:** Kathleen Reeve

Kathleen has worked with refugees for 4 years. She started helping an Iraqi family of which the husband had helped the US Army for 9 years. She has been helping Syrian refugees for nearly two years as a family mentor and tutor. Since few refugees are coming, she now helps tutor and find tutors for students from Kindergarten to High School. They all need help with homework, reading and conversation. She has lead seven OLLI Classes, from How to Help Refugees in Tucson, Pompeii, The West, Alan Bennett's Talking Heads, a book discussion on "Contested Will: Who Wrote Shakespeare, a movie series, "Love Hurts, Love Heals, Love at the Movies” and a single session "Where to Hear Jazz in Tucson" .She was a photojournalist and worked for the Chicago Sun-Times for 13 years.

Digital Movie-Making on iPhone/iPad and Mac Laptop

**Subject Area:** Arts/Culture

**Mondays:** 6 Sessions 1:30 PM - 3:30 PM  **Start:** Mon 3/4/19  **End:** Mon 4/8/19

**Tucson Place:** Palo Verde Room

**Course Description**
Apple’s iMovie is a powerful video-editing program that can turn iPhone- and iPad-recorded video and photos into stunning movies and Hollywood-style trailers. Finished projects can then be shared to the iMovie Theater to watch on any device, or shared to Facebook, Instagram, Vimeo, and YouTube.

If you have video clips or photos from a holiday, a birthday party, or a day trip, you might be wondering how you can turn them into a movie that you can share with friends and family. The good news is you can easily create a movie on your Mac or IOS device (iPhone, iPad, or even your iPod touch) using iMovie.

If you don’t have a Mac or an IOS device, you are out of luck as Apple doesn’t make iMovie for Windows or Android devices. However, once you create your movie on an Apple device and export it, your Windows-and Android-using friends and family will be able to view it.
Though designed for amateur users, iMovie has features that make your productions look expert. After attending this class, you will be able to put together a movie, add quite a bit of polish to your clips, spiffing them up with titles, transitions, slow and fast motion, sound effects, and even background music.

For this class you should OWN and BRING an iPhone 6 (or later) or an iPad with the iMovie app already loaded. If it is not already loaded on your device, it is available through the App Store for approximately $5. There will be a session on advanced editing. For this session, you must bring a portable Mac computer with iMovie.

Instructor: Ann Baxter

Ann Baxter retired in 2014 after a business career with a variety of companies, working in public relations, sales management, training, and consulting. In both her business career and in retirement she has traveled extensively. To record her adventures she has mastered the iPhone camera, iPad, Mac computer and the iMovie app to turn her still photos and video clips into creative movies that capture both the images and the spirit of her travels.

**How to Get Your U of A Cat Cards - Parts 1 & 2**

**Subject Area:** Health/Self-Help

**Mondays:** 2 Sessions 11:15 AM - 1:15 PM  
**Start:** Mon 3/11/19  
**End:** Mon 3/25/19 - **No class on 3/18.**

**Tucson Place:** Saguaro Room

**Course Description**

Whether you're a first-time CatCard applicant or someone who has attempted the CatCard application process before, this is the class for you!

In the first session, you'll learn about the CatCard and its benefits. Then, I'll cover the application process and assist you in taking the first step towards getting your CatCard.

In the second session, I'll provide assistance to those who get stuck in the process or who have not yet completed their application for a CatCard. By the time you leave, you'll be ready to head down to the CatCard office to get your CatCard!

Instructor: Kat Schumann

Kat Schumann is the OLLI-UA Program Coordinator.

**Introduction to Fly Fishing**

**Subject Area:** Travel/Entertainment

**Mondays:** *Single Session* 1:30 PM - 1:30 PM  
**Start:** Mon 3/11/19

**Tucson Place:** Saguaro Room

**Course Description**

Why do it? Where? When? How much does it cost? What do you need? What other stuff might you want? All these questions will be answered with live demonstrations of equipment: waders, boots, rods, reels, lines,
leaders, tippets, and flies. A minimum outfit will be described and how you can get into it for the least amount of money and the most fun.

Instructor: William Wolfe

William L. (Bill) Wolfe is Professor Emeritus at the University of Arizona College of Optical Sciences, but more to point for this course, he has fly fished for over 50 years for trout, blue gill, carp, bone fish and more in many states and overseas on different rivers lakes and ponds with many different rods and reels, some of which he constructed and flies he tied. He is eager to share those experiences.

**How to Design a GizmoGadget**

**Subject Area:** Science/Math

**Mondays:** 4 Sessions 9:00 AM - 11:00 AM  **Start:** Mon 3/18/19  **End:** Mon 4/8/19

**Tucson Place:** Palo Verde Room

**Course Description**

Ever wonder about what goes into the design of all the gizmogadgets ... smart phones, computers, televisions, telephones, automobiles, and more we live with today? While many are quite complex, designing a gizmogadget usually starts as a relatively simple exercise. Understanding the process of creating a new gizmogadget is a good way of understanding how existing devices operate. In this three session class designed specifically for non-techies, we'll use an analytical tool called a HITO chart to dissect several existing gizmogadgets, from simple to complex. We'll then use the HITO tool as a group to create our own device concept.

Instructor: Jim Jindrick

Director of Corporate Engagement in the Office of Research, Discovery, and Innovation at the University of Arizona (Tucson)

**Cognition and Aging**

**Subject Area:** Health/Self Help

**Mondays:** 3 Sessions 9:00 AM - 11:00 AM  **Start:** Mon 3/18/19  **End:** Mon 4/8/19 - **No class on 3/25.**

**Tucson Place:** Ocotillo Room

**Course Description**

Do you feel as if your memory isn’t what it once was? How about your ability to pay attention to what’s happening on the road while you’re driving? Negative changes in memory, attention and other cognitive functions do occur as we age, but the amount of change differs for different people, and – most important of all – we can optimize our cognitive functioning by engaging in “critical lifestyle activities.” In this 3-session course we will discuss both what happens to our cognitive functioning as we age, and how six critical activities – Exercising, Eating Right, Meditating, Being Mindful, Sleeping and Socializing – can help keep us sharp as we age.
Instructor: Bruce Goldstein

Bruce Goldstein taught in the psychology department at the University of Pittsburgh from 1969 – 2008 and is currently an adjunct faculty member in the psychology department at the University of Arizona. He received the Chancellor’s Distinguished Teaching Award from the University of Pittsburgh for his classroom teaching and his two widely-used college textbooks – Sensation & Perception and Cognitive Psychology. He taught a two-session version of this course at UA OLLI in Spring 2018, and this expanded 3-session version at Carnegie-Mellon OLLI in the Fall of 2018.

Excel by Example

Subject Area: Science/Math

Mondays: 2 Sessions 1:30 PM - 3:30 PM  
Start: Mon 3/18/19  
End: Mon 3/25/19

Tucson Place: Saguaro Room

Course Description
After a brief introduction, several examples will be shared with the participants. It is interactive; bring your computer. Some examples include: making a personalized calendar, the payoff time of an LED bulb, when to take Social Security, fixed payments on loans to your kids and plots of high and low temperatures for any city, and even how to set up and calculate IRS forms.

Instructor: William Wolfe

William L. (Bill) Wolfe is Professor Emeritus at the College of Optical Sciences of the University of Arizona. He has used various spreadsheets for more than 25 years for all sorts of applications. He is prepared to patiently demonstrate some of them

International Women's Rights Film Festival

Subject Area: Arts/Culture

Mondays: 4 Sessions 1:30 PM - 3:30 PM  
Start: Mon 3/18/19  
End: Mon 4/8/19

Tucson Place: Ocotillo Room

Course Description
A new series of inspiring films will be shown that examine the lives of women leaders and activists and their struggles for justice. Each will be followed by lively discussions focused on the specific contexts that shape their experiences, the factors and forces that have both oppressed and empowered them, and the ways that they have confronted these dynamics in their quest for equality and dignity. Adding our own stories to the mix, we will celebrate the known and unknown heroines and social movements that have helped change the world in big ways and small, hopefully gaining greater energy, solidarity and insights for today’s immense challenges.

Instructor: Valerie Miller

For over 35 years, Valerie Miller has collaborated with colleagues from peasant organizations, the UN, World Bank, League of Women Voters, etc. to develop women leaders and movements. At JASS, a global network of
activists and scholars, Dr. Miller facilitates workshops, seminars, and research on power, advocacy, and women’s leadership. To do this, she taps her rich experiences as a family planning counselor, community organizer, NGO policy director, and leader of national human rights coalitions and Congressional delegations. Drawing on this expertise and her doctorate in education, she has collaborated on numerous articles and books on education, social change, power analysis and women rights.

Uncovering Hidden Fees in Investing

Subject Area: Health/Self-Help

Mondays: 3 Sessions 11:15 AM - 1:15 PM  Start: Mon 3/25/19  End: Mon 4/8/19

Tucson Place: Ocotillo Room

Course Description

One of the hidden secrets in the investment world is fees. Far too often, managers take a "don't ask, don't tell" approach to management fees. In this workshop we will focus on making investment management fees as transparent and understandable as possible. During this workshop you will learn about hidden fees your broker may receive for selling you certain assets and we will help you to learn the right questions to ask when an investment option is presented to you.

Instructor: Matt Haertzen

Matt Haertzen is a Senior Investment Advisor for WT Wealth Management (WTWM). Prior to joining WTWM, Matt was a founding partner of Four Peaks Wealth Management. Matt also serves as a lecturer of finance for the Eller College of Management at the University of Arizona and is a CFA® Charterholder. His investing passion and career success both stem from extensive work experience in the investment community.

After graduating from the University of Minnesota with an MBA, Matt began his career with Ameriprise Financial, where he managed a staff of three analysts supporting the quantitative mutual fund product line. From there, he went on to work for the University of Minnesota Endowment, a $650 million fund where he was responsible for asset allocation and manager selection. Matt then joined a trust company in Washington, where he was responsible for managing $600 million in large capitalization stocks. After his time in Washington, Matt moved to Boise Idaho, where he managed a combined $1 billion in assets for the Idaho Endowment Fund, Judge’s Retirement System and the Idaho State Insurance Fund. Matt then joined Cogent Partners where he designed a global timber fund that traded publicly on the London AIM Exchange.

Matt recently moved with his wife to Oro Valley from Flagstaff where their son attends Northern Arizona University. In his free time, he enjoys golf, mountain biking, camping and fishing.
**Investing 101**

**Subject Area:** Health/Self Help

**Mondays:** 2 Sessions 1:30 PM - 3:30 PM  **Start:** Mon 4/1/19  **End:** Mon 4/8/19

**Tucson Place:** Saguaro Room

**Course Description**
Want to increase your knowledge of investing? This class will cover the different types of investments, investment costs, asset allocation, diversification, the importance of compounding and overall investment knowledge. It will be taught by an investment professional who also teaches at the University of Arizona.

**Instructor:** Matt Haertzen

Matt Haertzen is a Senior Investment Advisor for WT Wealth Management (WTWM). Prior to joining WTWM, Matt was a founding partner of Four Peaks Wealth Management. Matt also serves as a lecturer of finance for the Eller College of Management at the University of Arizona and is a CFA® Charterholder. His investing passion and career success both stem from extensive work experience in the investment community.

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Matt recently moved with his wife to Oro Valley from Flagstaff where their son attends Northern Arizona University. In his free time, he enjoys golf, mountain biking, camping and fishing.

**Tuesdays**

**Poetry Writing**

**Subject Area:** Literature/Writing/Language

**Tuesdays:** 12 Sessions 9:00 AM - 11:00 AM  **Start:** Tue 1/22/19  **End:** Tue 4/9/19

**Tucson Place:** Palo Verde Room

**Course Description**
Hone your skills as a writer in the Poetry Writing class, whether new or experienced. The course will use "In the Palm of Your Hand" by Steve Kowitt as the course textbook so students should purchase this book for themselves. We will study style and craft, write and critique each other’s poems with humor, compassion, and precision.
Instructor: Tom Speer

Tom Speer is a published poet and Instructor of writing and literature at Pima Community College. A colleague of Dan Gilmore's for many years, he has stepped in to lead the poetry writing class at OLLI that Dan so skillfully taught for many years. Kathleen Roberts will be Tom’s co-leader for the group.

Co-Instructor: Kathleen Roberts

I have been writing poetry for 25 years and studied with Dan Gilmore for the past year as an OLLI member. With Dan Gilmore’s absence, I am continuing the writing class with the assistance of other class members as well as experienced poets from the community. My career background is in social services and personal coaching, I have led and facilitated many groups over the years and currently also lead a memoir writing group.

The Civil War in U.S. History

Subject Area: History/Current Events

Tuesdays: 12 Sessions 9:00 AM - 11:00 AM   Start: Tue 1/22/19   End: Tue 4/9/19
Tucson Place: Saguaro Room

Course Description
The course will approach the place of the Civil War in the growth and development of the United States from its establishment in the 17th century through the U.S. we know today in the 21st century. This is a repeat of the course given in the spring and summer sessions in 2018.

We will pay attention to:

• The role black slavery played in the U.S. until 1860, the compromises made to avoid conflicts between states and regions, and the economic development of the two regions, and how these factors influenced the both the initiation of hostilities and the outcome of the war.

• The strategy, tactics and logistical doctrines used by both sides in the actual armed conflict, and how economics, demographics, leadership, and world events influenced the outcome.

• The history of post-conflict efforts to restore and maintain unity: Reconstruction of the South, the reaction to reconstruction, race relations, civil rights and racial equality.

Instructor: Paul Waugaman

Biography: Paul Waugaman has been an OLLI member since 2013. He retired from a career in research management in the Federal Government, academia, and consulting. History has been an interest throughout his life. He has concentrated on the Civil War and the evolution of American government and politics. He has taught U.S. History part-time at the college level; and as a consultant, senior manager, and study leader, has developed and presented educational experiences in professional development for adults.
Understanding China

Subject Area: History/Current Events

Tuesdays: 12 Sessions 9:00 AM - 11:00 AM  Start: Tue 1/22/19  End: Tue 4/9/19
Tucson Place: Ocotillo Room

Course Description
China is the land of superlatives. It is the world's most populous with a rapidly ageing population. Its economy continues to post growth rates that will shortly make it the world's largest economy (by purchasing power parity it already is). With its Belt and Road Initiative, China seeks to establish itself as the dominant trading power in the world. As Trumpian America retreats from the world, China offers itself as a worthy leader. We will look at China's cultural, political, and economic history as a way of gaining insight into China's current complexity.

Instructor: David Shawver

Dr. David Shawver worked in China from 1998-2007 as the Director of the American International School of Guangzhou. He had the opportunity to experience first hand China's transformation economically and politically. He served as the President of the Association Chinese and Mongolian International Schools, giving him the opportunity to travel widely in China. Since 2007, he has continued to follow events in China and its growing influence in Southeast Asia, Africa, and the world.)

Documentaries to Make You Think

Subject Area: History/Current Events

Tuesdays: 12 Sessions 11:15 AM - 1:15 PM  Start: Tue 1/22/19  End: Tue 4/9/19
Tucson Place: Ocotillo Room

Additional cost: One-time fee of $10.00 for documentaries and movie snacks, paid at the 1st class.

Course Description
The documentaries shown in this class are diverse, thought-provoking, educational and informational. If you have a documentary or topic that you would like to see, please contact me at mallory@rieggers.com. Stay tuned for the exact listing TBD. Please participate in the documentaries that you find stimulating. I attempt to get Documentaries with English Subtitles.

January 22, 2018 – King in the Wilderness (2018, 112 mins) chronicles the final chapters of Dr. Martin Luther King Jr.’s life, revealing a conflicted leader who faced an onslaught of criticism from both sides of the political spectrum. (In honor of MLK Day Monday, Jan 21)

January 29, 2018 – Robin Williams: Come Inside My Mind (2018, 117 mins) This intimate portrait examines one of the world's most inventive comedians. Told largely through Robin's own voice and using a wealth of never-before-seen archival footage, the film goes through the extraordinary life and career of Robin Williams.

February 12, 2018 – Pick of the Litter (2018 80 mins) Five spirited Labrador puppies embark on an incredible journey to become guide dogs for the blind. Which ones will have what it takes?

February 19, 2018 – Mercury 13 Mission Incomplete (2018, 79 mins) Mercury 13 refers to thirteen American women who, as part of a privately funded program, underwent the same physiological screening tests as the astronauts selected by NASA on April 9, 1959 for Project Mercury in the 1960s some of the women lobbied the White House and Congress for inclusion of women in the astronaut program, even appearing before a congressional committee. Clare Boothe Luce wrote an article for LIFE magazine publicizing the women and criticizing NASA.

Remaining dates TBD.

Instructor: Mallory Riegger

Mallory Riegger has a BS in Accounting from University of Arizona and is a CPA. She worked in Accounting and Management for 12 years, 9 years in Copper Mining in Arizona and 3 years in Banking in Belgium, before becoming a stay at home mother of 3 and volunteer in various charitable organizations. Mallory has handled various jobs over the years, including webmaster, treasurer, secretary, newsletter editor, among many other positions. Since joining OLLI-UA, Mallory has worked with Beverly Jordon in the Documentaries to Make You Think, been the librarian for the DVD library, Curriculum Committee member primarily working with Bob Sklar and Meg Hovell on scheduling starting in February 2017 and was elected to OLLI-UA’s Council in March 2017.

Heart of a Dog and The Idiot; text and film

Subject Area: Literature/Writing/Language

Tuesdays: 12 Sessions 11:15 AM - 1:15 PM  Start: Tue 1/22/19  End: Tue 4/9/19

Tucson Place: Saguaro Room

Course Description
We will read these two great Russian novels and watch Vladimir Bortko’s excellent two and eight hour film adaptations.

Instructor: Michael Devine

My educational and professional background is scientific: meteorology (BA) and oceanography (PhD). Most of my professional career was spent with NOAA as a research scientist.

News and Views, Furman

Subject Area: History/Current Events

Tuesdays: 12 Sessions 11:15 AM - 1:15 PM  Start: Tue 1/22/19  End: Tue 4/9/19

Tucson Place: Palo Verde Room

Course Description
A lively discussion of current topics and concerns on the local national and international levels. Open dialogue with ALL viewpoints is encouraged to meet today’s challenging national and global fronts. Each week
participants determine topics for the day's discussion. Some topics may have a special, brief presentation by a study group member. Outside speakers / resources may also be utilized.

Instructor: Marian Schwalm Furman


The Golden Days Of Operetta

Subject Area: Arts/Culture

Tuesdays: 4 Sessions 1:30 PM - 3:30 PM  Start: Tue 1/22/19  End: Tue 2/12/19
Tucson Place: Ocotillo Room

Additional cost: $5 per person.

Course Description
Operetta was invented in 1858 by a German-turned-Parisian named Jacques Offenbach, who noted that audiences were getting bored by grand opera. His first attempt was so successful that it was quickly followed by other composers, the best-known being Johann Strauss and Franz Lehar in Vienna, Gilbert & Sullivan in London, and Victor Herbert, Sigmund Romberg and Rudolph Friml in New York. Certain traditions gradually became the norm, so that a successful operetta simply had to have a marching song, a drinking song, a "patter" song, a "homeland" song, a comic song, one or more love songs, and so forth. Therefore, each of our OLLI class sessions will be devoted to listening to about two dozen famous examples of these and other categories, together with anecdotes of how the songs, and the operettas, came to be written. Complete printed lyrics will be supplied, including side-by-side English translations where the originals are in French or German.

Instructor: Ed Greenberg

Ed's dedicated interest for more than 50 years has been History and Philosophy. He joined our group in 1993, back when it was called SAGE, and has been an SGL for most of the years since then, almost always on those two subjects.

Travel Hints and Glints

Subject Area: Travel/Entertainment

Tuesdays: 6 Sessions 1:30 PM - 3:30 PM  Start: Tue 1/22/19  End: Tue 2/26/19
Tucson Place: Palo Verde Room

Course Description
Course will provide info about various tourist destinations around the world. Each class session will focus on a country or destination in a particular area, such as South Africa, East Asia, Central Europe, northern South America, and/or the United States. Areas of interest will be discovered through a pre-course survey of prospective class participants. Class sessions will be broken into three 12-15 minute presentations followed by
time for questions and answers. People who have been to the areas being discussed will be asked to present information and answer questions from class participants.

Instructors

Dorothy Waugaman

Dot Waugaman is retired and has been living in Tucson since 2008. She developed a love of travel at an early age, and has traveled in every state in the U.S., most of the countries of Europe, a smattering countries in South America, Africa, Asia, the Middle East, and Down Under. She has learned a lot about what to do when traveling as well as what should not be done when traveling. She also likes to hear from other travelers.

Laura Couchman

Laura Couchman is retired and has been living in Tucson since 2014. She has traveled to 48 states and a couple dozen foreign countries, mostly accompanied by her husband Bill. Their favorites are U.S. road trips and overseas trips to sing with the Yale Alumni Chorus, and they take their binoculars for bird-watching everywhere they go. Laura loves to use the internet to research options and plan travel, but she also loves to take trips that somebody else plans.

What is a Quinoa?

Subject Area: Crafts/Cooking

Tuesdays: 6 Sessions 1:30 PM - 3:30 PM   Start: Tue 1/22/19   End: Tue 2/26/19

Tucson Place: Saguaro Room

Additional cost: Due to the significant materials (handouts, the foods in a raw state and ingredients required to make the recipes used for multiple tastings and samples) necessary for this course there is a $42 (cash only) materials fee, payable to the instructor/study leader at the beginning of the first class.

Course Description

Two barriers many people have to eating healthier are lack of familiarity with the food itself, and the negative impression they have been given about "health food" that became popular in the 1960s and '70s. The aim of this survey course is to create the opportunity for participants to see, touch, smell and taste various healthy foods, in addition to learning about various methods of preparation to optimize visual appeal, flavor and nutrition value. There will be plain tastings of many of the foods covered and also used in recipes for sampling. Participants will be provided a considerable number of educational handouts on healthy foods; their nutritional benefits, the various dietary options for eating healthy foods, information on both local and internet resources and many, many recipes!

**Please be advised: it is beyond the scope of this course to accommodate allergies or personal diets as various known food allergens may be used.

**Additionally, due to the significant amount of materials (handouts, the foods in a raw state and ingredients required to make the recipes used for multiple tastings and samples) necessary for this course there is a $42 (cash only) materials fee, payable to the instructor/study leader at the beginning of the first class.
Instructor: Lynne Goewey

Lynne Goewey has been a healthy gourmet personal chef and cooking instructor for 25+ years in New York City, Key West, Rochester, Buffalo, and Pittsburgh. After a move to Key West in 1994, she began teaching healthy cooking classes at the Island Wellness Center and other locations on the island. In addition, she started The Healthy Gourmet catering company, wrote a popular weekly column on healthy foods for the local newspaper and created ‘Island Evenings’, a very successful weekly dinner/wine tasting held at different historic Bed and Breakfasts, guest houses and inns in Key West. She continued teaching and catering when she moved back to New York in 2000.

In 2002 Ms. Goewey, an accomplished artisanal chocolatier, opened J’adore Chocolates, in Fairport, NY. Featuring fresh chocolate with no preservatives or artificial ingredients and unique flavor combinations, she created confections and chocolates for Lincoln Center, the Joyce Theater, the NYC Ballet, Carnegie Hall and Constellation Brands, a Fortune 500 company, among many other clients worldwide, in addition to the many customers who patronized her retail shop.

This course is modeled on Ms. Goewey’s Key West weekly tasting events, “A Taste of the Tropics”, in the Heritage House/Robert Frost Cottage Gardens. The genesis for that series was a discussion during one of her cooking classes concerning the fact that many visitors to Key West didn’t try the local food; they hadn’t tasted a tomatillo, guava, jicama, cherimoya, etc. Ms. Goewey created the tasting events as an informative opportunity for people to have the opportunity to experience these unique and delicious foods.

She presented the ‘What is a Quinoa’ course spring semester 2014 at the University of Pittsburgh Osher and most recently fall semester 2018 at University of Arizona Osher.

**People, Culture, Art of the Far North**

**Subject Area:** Social Sciences

**Tuesdays:** 4 Sessions 1:30 PM - 3:30 PM  **Start:** Tue 2/19/19  **End:** Tue 3/12/19

**Tucson Place:** Ocotillo Room

**Course Description**

Through lectures, discussion, films, and projected images, I will introduce the people and the Native cultures and history of the Far North, primarily the Yupik (Southwestern Eskimo) and the Inupiat (northern Eskimo) of Alaska, and the Inuit (Eskimo) of Canada and Greenland. Their lives from ancient times until the present have been determined largely by the unique climate and environment in which they live. In recent years, they have also had to adapt to governmental regulations and structures, as well as to the encroachment and “conveniences” of modern life, which have notably altered their traditional lifestyles.

Instructor: Barbara Lipton

BA, Univ. of Iowa. MA in Art History, Univ. of Michigan. MLS, Rutgers U. Taught Native American and Asian Art at The New School (NYC), Drew U. (Madison, NJ), Montclair U (Montclair, NJ), State University of New York (SUNY/Purchase). Worked at The Newark Museum, Newark, NJ as Librarian and Special Projects Director; at the College of New Rochelle Art Gallery, NY, as Assistant Director; at the Canadian Government Department of Indian and Northern Affairs, Canada, as Guest Curator; at the Jacques Marchais Museum of Tibetan Art, NY, as
Director. Lectured extensively in various universities and museums, including the Smithsonian Institution, on 1) Arctic life and art and 2) Asian and Tibetan art. Curator of many exhibitions on Alaskan and Canadian Inuit art and culture and writer of accompanying publications. Executive producer and writer of hour-long film, "Village of No River," documenting 4 seasons in a small Yupik (Eskimo) village in southwestern Alaska.

Traveled and lived extensively in the North, primarily in Alaska.

**A Look at Voting with the League of Women Voters**

**Subject Area:** Arizona History/Culture, History/Current Events

**Tuesdays:** 6 Sessions 1:30 PM - 3:30 PM  **Start:** Tue 3/5/19  **End:** Tue 4/9/19

**Tucson Place:** Saguaro Room

**Course Description**

This course takes a thorough look at voting, in both Arizona and the United States. Our emphasis will be on acquiring an informed basis for understanding many of the issues that challenge this most basic part of our representative government. The topics for the six class sessions are: (1) voters’ rights, voter expansion and voter suppression; (2) election integrity and voter accuracy; (3) Congressional redistricting; (4) voting basics in Pima County; (5) what it’s like to be a candidate – including the role of political parties and campaign financing; and (6) how we decide how to vote.

The class will be led by two members of the League of Women Voters of Greater Tucson, a nonpartisan political organization that encourages informed and active participation in government. There will be several guest speakers. Two field trips are planned – to the Pima County Elections Department and the Pima County Recorder’s Office. Class members are expected to arrange their own transportation.

**Instructor:** Vivian Harte

Vivian Harte is currently the President-Elect of the League of Women Voters of Greater Tucson. She has taught Sociology classes at Pima Community College for ten years and classes in Writing and Critical Thinking at the University of Phoenix for four years. She has been teaching online courses on assertiveness, teamwork and self-confidence for the past 15 years. She is the co-author of Self-Esteem for Dummies in the Dummies series.

See all classes led by Vivian Harte

**Ann Davis**

Ann Davis is a retired Arizona attorney. She practiced appellate law and authored the multi-volume Arizona Legal Services Practice Manual, which was published by the Arizona State Bar. For many years, as a volunteer, she taught government and civics classes at the junior high and the high school level. She has also co-authored several books for elementary students, including Mexican-Americans: The Roots of Identity and a series of Trivial Pursuit books.
In Politics Everyone is Right--or Left

**Subject Area:** Social Sciences

**Tuesdays:** 6 Sessions 1:30 PM - 3:30 PM  **Start:** Tue 3/5/19  **End:** Tue 4/9/19

**Tucson Place:** Palo Verde Room

**Course Description**
This course explores conservative and liberal political orientations and the social psychology that explains them. This exploration unveils the human flaws and biases that confound understanding opposing points of view; the different moral frames from which each political orientation operates; the psychology of personality and its influence on understanding different perspectives; the intuitive reasoning of humans that works to confirm personal beliefs instead of searching for the truth; and the fascinating new sciences of neuro-psychology and genetics that are in the early stages of understanding a relationship to political orientation. The class will include conversations, articles, video and activities that promote understanding of our political differences.

**Instructor:** Greg Ziebell
Taught social studies, Sierra Vista Buena high school, 1978-1980
Masters degree in Counseling, 1982
Worked as an educator and administrator for student housing at the University of Arizona, 1980-2017
- Taught leadership development, 1984-1995
- Conference presentations and staff development workshops, 1982-2016
- President of the Association of Intermountain Housing Officers, 1990

**Co-Instructor:** Bill Martin

Stand-Up Comedy 101

**Subject Area:** Arts/Culture

**Tuesdays:** 4 Sessions 1:30 PM - 3:30 PM  **Start:** Tue 3/19/19  **End:** Tue 4/9/19

**Tucson Place:** Ocotillo Room

**Course Description**
In this class, students will have fun by learning some fundamentals that will enable them to write, rehearse, and perform a short stand-up comedy "set" around 5 minutes long. This workshop moves stand up comedy from solitary to collaborative in a safe, comfortable, supportive environment. It includes not only writing skills and techniques but even physical centering, positive body language, and even how to correctly use a microphone. The class will culminate in a live performance for friends and family.
Instructor: Ron Reid

I have been teaching stand-up comedy workshops to people of all ages since 2013. I was a touring comedian for almost 15 years and appeared on national television. I was the General Manager of The Comedy Underground in Seattle and the Producer of The Seattle International Comedy Competition - the world’s largest touring comedy festival - from 1994-2016. Currently I am Managing Partner at Artists West Entertainment LLC, recently voted one of America's Top 30 Comedy Agencies <http://www.artistswest.com> I am also the co-writer and co-star of the feature film "Stages/The Montana Run" currently streaming on Amazon prime.

**Wednesdays**

**Music Masterworks: Choral Classics**

**Subject Area:** Arts/Culture  

**Wednesdays:** 12 Sessions 9:00 AM - 11:00 AM   **Start:** Wed 1/23/19  **End:** Wed 4/10/19  

**Tucson Place:** Ocotillo Room

**Course Description**
A survey of great choral music from Medieval to Modern, including Handel’s Messiah, Bach’s B minor Mass, Beethoven’s 9th Symphony, Carmina Burana, and many more.

Instructor: Andy Bade

Dr. Andy Bade is the weekday afternoon music announcer for Classical 90.5, KUAT-FM, in Tucson. He earned his doctoral degree in music (Conducting) from the UA, with a minor in musicology, and taught Music Appreciation at the UA and at Central Arizona College. As a conductor, Dr. Bade has led musicians from elementary school to college and community, in instrumental and choral ensembles.

**UA Sarver Heart Center Presents**

**Subject Area:** Science/Math  

**Wednesdays:** 6 Sessions 9:00 AM - 11:00 AM   **Start:** Wed 1/23/19  **End:** Wed 2/27/19  

**Tucson Place:** Saguaro Room

**Course Description**
Sessions:

1/23/19 Aortic Diseases: Can we find a sensible way to intervene before they’re deadly?

David Bull, MD

Professor of Surgery, Chief, Division of Cardiothoracic Surgery at the University of Arizona College of Medicine – Tucson; UA Sarver Heart Center Jack G. Copeland Endowed Chair of Cardiothoracic Surgery and Michael Drummond Distinguished Professor of Cardiovascular and Thoracic Surgery
1/30/19 Tour of the Heart: How noninvasive imaging aids diagnosis and guides treatment

Raj Janardhanan, MD
Professor, Medicine and Medical Imaging, Division of Cardiology at the University of Arizona College of Medicine – Tucson; Member, UA Sarver Heart Center; Medical Director, Non-Invasive Cardiac Imaging and Director, Echocardiography, Banner – University Medical Center Tucson

2/6/19 Rhythm Nation: A town hall on heart palpitations and their meanings

Rupa Bala, MD
Associate Professor, Division of Cardiology at the University of Arizona College of Medicine – Tucson; Director, Cardiac Electrophysiology Laboratory; Member, UA Sarver Heart Center

2/13/19 Sleep to Your Heart’s Content

Michael Grandner, PhD
Assistant Professor, Medicine, Neuroscience – Graduate Interdisciplinary Program, Physiological Sciences – GIDP, Psychiatry and Psychology at the University of Arizona; Director, Sleep and Health Research Program; Board-Certified in Behavioral Sleep Medicine

2/20/19 Why am I winded - is it heart disease, pulmonary disease or something in between?

Sophia Airhart, MD
Assistant Professor, Division of Cardiology, University of Arizona College of Medicine – Tucson; Member, UA Sarver Heart Center, Heart failure specialist with the Advanced Heart Failure, Mechanical Circulatory Support and Cardiac Transplantation Team at Banner – University Medical Center Tucson.

2/27/19 Can prevention save health care? What we’ve learned from the Heart Series

Charles Katzenberg, MD
Clinical Professor, Medicine, University of Arizona College of Medicine – Tucson; Specializes in heart disease prevention
Quantum Computer and Quantum Information

Subject Area: Science/Math

Wednesdays: 3 Sessions 9:00 AM - 11:00 AM  Start: Wed 1/23/19  End: Wed 2/6/19
Tucson Place: Palo Verde Room

Course Description
In the first week (JCG) will discuss the basic concepts of quantum physics as they relate to Quantum Information Science and the unit of quantum information qubit.

A short discussion will follow of the diverse technologies to construct qubits adopted by the most important actors (organizations) in the field, putting emphasis on their pros-and-cons.

We will examine also the results of fundamental experiments that test our understanding of quantum physics and how they illuminate the pathways for possible novel technologies.

In the second week (GB) will then focus on the engineering and application aspects of quantum computing. After an overview, we will follow with a step-by-step computation, showing how the hardware and signal pathways set-up and execute a program. The current engineering and design challenges will be covered.

Software development follows the path of conventional computers with additional features exploiting the capabilities of the quantum mechanisms. Seminal algorithms by Shor and Grover are key to major application types such as search, factoring, optimization, encryption and code breaking.

In the third week (GB), looking forward, the expected progress of the major research centers will be reviewed along with hoped for timing of commercial product introduction. Finally, we will sample speculation about the possible major disruptive economic and geopolitical impacts of quantum computing.

Instructors

Glenn Bacon

Glenn Bacon's formal education is in electrical engineering and computer science. He has followed artificial intelligence technology since the '50s and has led several OLLI study groups on its recent progress.

Juan C Gallardo

A retired physicist from Brookhaven National Laboratory (NY) since 2012. I have been an SGL for the last 3 1/2 years. I have led study groups on literature and physics.
Income Tax (Individual): How to Prepare Your Return (or Help Your Tax Pro)

Subject Area: Health/Self Help


Tucson Place: Ocotillo Room

Course Description

Objectives of the course:

1) Save you some $$Big Bucks

2) Knowledge and skills: Show you how to prepare your own individual income tax return; or how to vet, check or assist your tax pro.

3) Fun facts about taxes to share and discuss:

   - History and public policy.

   - Maybe you will want to become a tax geek – like me!

   - Some questions you will be able to answer after the course:

     - What opportunities am I missing?

     - Should I itemize?

     - What is the difference between a deduction and a credit?

     - What is the Alternative Minimum Tax? Is it hurting me?

     - Will Uncle Sam get 1/3 of my inheritance?

     - How does living in Arizona (full- or part-time) affect my taxes?

     - There will be ample time for Q&A during class.

   - Quotes:

     - Oliver Wendall Holmes, Jr.: “Taxes are what we pay for a civilized society.”

     - Albert Einstein: “The hardest thing in the world to understand is the income tax.”

   - Optional: Download and print each session’s material before class to follow along; or afterwards as a permanent reference.

Instructor: William Couchman

75 years old and not retired yet! Bachelor of Engineering from Yale University with an MBA from Carnegie-Mellon University. Mr. Couchman worked 33 years in management with the Ford Motor Company. Mr.
Couchman served as an Adjunct Instructor for Northwestern University, a 13-year tax pro and Master Tax Advisor for BlockAdvisors (former H&R Block Premium) and a 9-year Enrolled Agent (“CPA for taxes”). He instructed for H&R Block for 7 years.

**Tess of the D’Urbervilles**

**Subject Area:** Literature/Writing/Language

**Wednesdays:** 12 Sessions 11:15 AM - 1:15 PM  **Start:** Wed 1/23/19  **End:** Wed 4/10/19

**Tucson Place:** Palo Verde Room

**Course Description**

Thomas Hardy's 1891 novel of the life of a young farmgirl has become a classic because it illuminates the human considerations of love, aspiration and abandonment amid the strictures of social and religious conventions. Hardy offers us memorable descriptions of the English countryside in Dorset as he explores the ideas of fate and free-will in turn-of-the-century England. I will use the Barnes and Noble Classics edition, but any edition will do. Copies are available on-line or in bookstores for various prices. Class members will be expected to read approximately 40 pages per week to prepare for class discussion. ISBN: 978-1-59308-228-4

Instructor: Suzanne Peters

Sue Peters is an experienced study group leader.

**The Science of Yoga ~ or ~ Yoga Philosophy**

**Subject Area:** Health/Self Help, Philosophy/Religion

**Wednesdays:** 12 Sessions 11:15 AM - 1:15 PM  **Start:** Wed 1/23/19  **End:** Wed 4/10/19

**Tucson Place:** Saguaro Room

**Course Description**

Our culture utilizes yoga primarily for the physical exercise of the poses (asanas) and stretches. However, this is just one aspect of Patanjali’s eight-fold path of yoga, which is actually an entire lifestyle encompassing all levels of human “beingness.” This course covers the philosophy and basic lifestyle practices of the science of yoga. You will learn about the moral, ethical and societal guidelines for the practicing yogi, in addition to doing some gentle chair yoga and breathing exercises. No previous yoga experience or physical fitness is required; just an open and inquiring mind.

Instructor: Danielle Dvorak

Danielle discovered yoga through studying the Bhagavad Gita, along with other sacred texts, back in the 1970s. She has been practicing yoga on and off since her early twenties, and started teaching yoga in 2002.

In 2004, Danielle became an Usui Reiki Master/Teacher and was certified by Richard Rudis as a Tibetan Healing Sound Practitioner in 2008 (http://tibetanbowlschool.com). In 2010 she became a Certified Aromatherapist (Floracopeia.com). She has had many injuries over the years (not from Yoga!) and has healed herself of Chronic
Fatigue, Fibromyalgia, a herniated disc, and more, holistically. Yoga has played a huge role in all of this — maintaining her health, strength, and emotional/mental/spiritual balance into her sixties.

Other unique aspects of Danielle’s life experience include: a Buddhist pilgrimage through Tibet; working as a “Ghost Buster”; and sitting a 10-day Vipassana course, in Noble Silence, with 6-10 hours of meditation per day. She continues her spiritual studies and has maintained a meditation practice for close to 40 years. The depth of these experiences come through her work with sound, yoga, and more.

**Connecticut Yankee in King Arthur’s Court**

**Subject Area:** Literature/Writing/Language

**Wednesdays:** 12 Sessions 1:30 PM - 3:30 PM  
**Start:** Wed 1/23/19  
**End:** Wed 4/10/19

**Tucson Place:** Saguaro Room

**Course Description**

Mark Twain wrote A Connecticut Yankee in King Arthur's Court to show the tensions existing in contemporary 19th century American society between social classes. He used as a model Sir Thomas Malory's Morte d'Arthur which was a medieval romance. Many of the tensions in our society today are reflected in this 19th century book. I am using the Dover Thrift edition which is $4.80 from Amazon new or less if you find a used copy. The expected reading will be less than 25 pages per week. ISBN-13 978-0-486-41591-8

Instructor: Charles Peters

Chuck is an experienced study group leader.

**Tai Chi & Qigong for Health & Happiness**

**Subject Area:** Health/Self-Help

**Wednesdays:** 12 Sessions 1:30 PM - 3:30 PM  
**Start:** Wed 1/23/19  
**End:** Wed 4/10/19

**Tucson Place:** Ocotillo Room

**Course Description**

Dr. Chen and Mr. Zhang have extensive experience working with older adults, from Tai Chi beginners to advanced levels of Tai Chi practitioners. Focusing on improving balance, coordination, and overall wellbeing for individuals with different levels of fitness, Dr. Chen and Mr. Zhang will introduce the history, principals, and forms of Tai Chi and Health Qigong to the group. Participants will learn the basic movements of yang style Tai Chi and one form of Health Qigong, Ba Duan Jin. They will practice these mind-body exercises with Dr. Chen and Mr. Zhang at each session.

Instructor: Zhao Chen

Dr. Zhao Chen is director of the Confucius Institute at the University of Arizona. She is Professor of Epidemiology and director of the Division of Epidemiology and Biostatistics at the Mel and Enid Zuckerman College of Public Health (MEZCOPH). She is an affiliated faculty member of the School of Anthropology and a faculty member of the Arizona Center on Aging, Bio5 Institute and Arizona Cancer Center. Chen has a Bachelor
of Science degree in Biology from Beijing Normal University, China and a Master’s degree in Physical Anthropology from the Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, also in Beijing. In mid-1990s, Chen received a PhD degree in Anthropology with a minor in Nutritional Science, and a Master of Public Heath degree, both from the University of Arizona. She received extensive training in epidemiology during her postdoctoral work facilitated by a National Institute of Health (NIH) career development award.

Dr. Chen’s research has focused on the epidemiology of genetic and environmental risk factors of complex chronic diseases, including osteoporosis, sarcopenia, anemia, cancer and obesity in aging and minority populations. She directs the UA’s Healthy Aging Lab, which has been supported by multimillion dollar research funding from the NIH, the Department of Defense and private foundations. She is one of the leading researchers of the Nationwide Women’s Health Initiative longitudinal study. Chen has collaborated with researchers in China on body composition research in minority populations, including the Tibetan people. She has been invited to hold body composition workshops and give keynote speeches at national and international conferences in China.

Xintuo Zhang

Master Xintuo Zhang’s home institution is the Songshan Shaolin Wushu College, from which he holds a Master’s degree in Teaching Chinese to Speakers of Other Languages. He has over 15 years of experience in Wushu practice, including 8 years of professional training at the Shaolin Tagou Wushu School and Professional Wushu Team of Henan Province. He won the championship at the International Wushu competition. Not only can he teach martial arts, but also how to understand martial arts theory, which gives you a more comprehensive understanding of Chinese martial arts. Master Zhang has many years of Wushu performance and teaching experience, focusing on Shaolin, Changquan and Taiji styles. He has been invited to many countries to participate in performances, such as Russia, England, Ireland, Italy, Sweden, Iceland, and New Zealand. He is also a National Grade A Wushu Coach and National Grade A Wushu athlete.

Writing Short Fiction

**Subject Area:** Literature/Writing/Language

**Wednesdays:** 12 Sessions 1:30 PM - 3:30 PM  
**Start:** Wed 1/23/19  
**End:** Wed 4/10/19

**Tucson Place:** Palo Verde Room

**Course Description**

The essentials include:

Writing every day in and out of class

Rewriting & Revising

Increasing Word Power

Listening

Observing

Developing and maintaining your own style — fearlessly

Last Updated: 1/3/2019 2:49 PM
Reading assigned short fiction

Instructor: Lynn Siefert
I'm a 70-year-old retired screenwriter/playwright. Two screenplay credits: COOL RUNNINGS and COUSIN BETTE. Plays (published) include COYOTE UGLY and LITTLE EGYPT. Taught writing at The New School for Social Research in NYC, at the Yale School of Drama and at Indiana State University. I am a graduate of the Yale School of Drama 1983. Received an NEA grant, the Susan Smith Blackburn Award. Attended the Eugene O'Neill Playwrights' Conference in 1982. Resided as a mentor for the Sundance Filmmakers' Lab for 8 years. I am currently writing short fiction and poetry. Teaching is the ultimate!

The Gunfight at the O.K. Corral and other tales of the Old West

Subject Area: History/Current Events

Wednesdays: Single Session 11:15 AM - 1:15 PM   Start: Wed 2/27/19
Tucson Place: Ocotillo Room

Course Description
The course will explore the characters involved and events leading up to and after the gunfight that happened near the O.K. Corral in Tombstone, Arizona. The actual gunfight lasted only a minute but has been embellished and mythicized through books and film. The course will look into not only what happened before the fight, but afterwards including the attempt on Virgil Earp’s life, the murder of Morgan Earp, and Wyatt Earp’s vendetta ride after the murderers.

Instructor: Guy Brunt
A member of Western Writers of America (WWA), Bill Markley is a staff writer for WWA’s Roundup Magazine. He has written three nonfiction books, and also writes for True West, Wild West, and South Dakota magazines. He earned a master’s degree in Environmental Engineering, has worked in Antarctica, and currently works for the South Dakota Department of Environment and Natural Resources. Raised on a farm near Valley Forge, Pennsylvania, Bill has always loved history. He reenacts Civil War infantry and frontier cavalry and has participated in movies, including "Dances With Wolves," "Far and Away," and "Gettysburg." Bill and his wife Liz live and work in Pierre, South Dakota, where they have raised two children, now grown. "Deadwood Dead Men" is Markley’s first novel.

The Personal is Political

Subject Area: Health/Self Help

Wednesdays: 6 Sessions 9:00 AM - 11:00 AM   Start: Wed 3/6/19 End: Wed 4/10/19
Tucson Place: Palo Verde Room

Course Description
The Personal is Political: A Story of Survival and Discovery is a discussion class based on my forthcoming book. Through my own history during the last century we will focus on several key topics, inviting questions and comments from the group. Topics include traumatic experiences and their effects, the role of memory and the unconscious, educational and job discrimination, harassment, assault, depression, obesity, bipolar disorder, and our inheritance from Neandertal.)

Instructor: Julia Sherman

I am a retired clinical psychologist and Fellow of American Psychological Association and American Psychological Society, with publications in the areas of psychology of women, depression, and bipolar disorder.

Understanding Futures and Options

Subject Area: Health/Self Help

Wednesdays: 4 Sessions 9:00 AM - 11:00 AM  Start: Wed 3/6/19  End: Wed 3/27/19

Tucson Place: Saguaro Room

Course Description
This course describes the basics of the exchange-traded derivatives, futures and options. It relates the applications or uses, benefits, risks and rewards of these financial instruments.

Instructor: Charles Rubin

I wrote a book on this subject – how a stock exchange can enhance it's business by trading futures and options: Grow Your Stock Exchange with Futures and Options; A Guide to Understanding These Financial Instruments. You can visit the website, www.growyourstockexchange.com On the book’s cover, there is an outstanding endorsement from a former CFTC Commissioner.

Several years ago, when the New York Stock Exchange, NYSE, established the New York Futures Exchange, NYFE, with the assistance of two programmers, I was responsible for establishing the NYFE trading and settlement systems, and was VP Operations at NYFE.

I also served as the CEO of a stock brokerage firm and a futures brokerage firm.

I was one of the original brokerage back-office systems programmers at ADP, which is the largest payroll and brokerage back-office systems provider in the world. (The stock brokerage subsidiary was spun off into a separate company in the early 2000's).

I has consulted in more than 10 developing countries in an array of securities and commodity futures projects. In several of the countries, I presented a workshop, “Understanding Futures and Options.” This workshop discusses the benefits, risks, rewards, and applications of these financial instruments.

Currently, for post graduate business students, I am a guest lecturer at the University of Arizona (U of A). I also conduct an accredited on-line graduate school program for two university business schools. Both of these programs are on the subject of futures and options.
Using Federal Statistical Data in the Public and Private Sectors

Subject Area: Science/Math

Wednesdays: 2 Sessions 9:00 AM - 11:00 AM  Start: Wed 4/3/19  End: Wed 4/10/19

Tucson Place: Saguaro Room

Course Description
The federal government collects data on population, race/ethnicity, health, economics, education and many others. How does this system work, how accurate and timely are the data, who uses them, and what does the future hold for the "system?" Time will be spent reviewing the upcoming Decennial Census – with some emphasis on the new citizenship question. Then, a review of key data produced by the agencies will be discussed - including such issues as independence, accuracy, timeliness and usability. The course will go further into specific public and private sector uses. New approaches to data collection will also be covered.

Instructor: Edward Spar

Mr. Spar has had a number of careers. As a statistician he started out writing regression and other statistical programs. He moved on to managing a sampling and statistics department in a market research firm. Working for someone else was not his thing and built his own demographic research company, producing population and socio-economic estimate for counties and cities. After 21 years, he knew it was time to move on, and went to Washington to build a struggling non-profit association: The Council of Professional Associations on Federal Statistics. At the same time, he taught at the graduate level on uses of demography in the private sector. Later, he then taught at the U.S. Census Bureau to post graduate students who were looking to move up in the government world. Throughout this, he was an international consultant to statistical agencies in countries including Egypt, Ghana, Kuwait, Laos, Kyrgyzstan and others. Mr. Spar is now retired and lives all-year -around in Tucson. He has given lectures at the University, but is interested in reaching out to a wider audience.

Thursdays

Biosphere 2; Helping us understand our Future

Subject Area: Science/Math

Thursdays: Single Session 9:00 AM - 11:00 AM  Start: Thu 1/24/19

Tucson Place: Saguaro Room

Course Description
If you wish to study the underlying causes of a specific disease, you start by examining an animal model that would simulate the human condition. If you want to study a subset of geological events on earth, also known as Biosphere 1, you might design a miniature system, but what do you do if you want to study the B1's entire complex geology, environment and ecology? Well, you build Biosphere 2 AKA B2. And so, in 1987 a vision was born, funded by Ed Bass an ecologically minded philanthropist, to assemble steel, concrete, soil, sea water, and plants to build a model of B1 consisting of five biomes and 8 humans who would live for almost two years under
the dome. While this unprecedented, 'under the dome' experiment fell short for several unanticipated reasons, the idea was sound, the concepts testable, the facility unique, and the science eventually became rigorous, exciting and yielding results applicable not only to B1, our own earth, but also to possibilities of imitating B1 extra terrestrially. Today, B2 is the largest earth science living laboratory in which precise scientific explorations are underway as part of the College of Science missions. For the B2 interdisciplinary investigative team, a major driving force is the question: "How do biological communities organize and respond to landscape evolution and environmental change?". It is a highly complex initiative that encompasses the intricate interactions of the "Earth's system consisting of water, air, soil, plants, microbes and animals". One specific project designed to address these complex interactions is the LEO project in which B2 serves as the Landscape Evolution Observatory, the world's largest laboratory experiment in the interdisciplinary Earth sciences".

So, whether you are interested in geology, water conservation, carbon dioxide (greenhouse gases) production and sequestration, global climate change, or whether your interests lie in a "place far far away", you will find this lecture, to be presented by John Adams, Deputy Director of Biosphere 2, most interesting, enlightening and impactful. In this lecture, Adams will discuss some of these project, and how they impact our understanding of our own biosphere—Earth.

Instructor: John Adams

For two decades, John Adams has helped drive the evolution of Biosphere 2 through positions of progressive responsibility and oversight. John started his career at Biosphere 2 in the fall of 1995, when he was hired by Columbia University to work with the terrestrial research team to understand the system level responses of increasing level of CO2 Building on his deep knowledge of the facility and its science, Adams became Biosphere 2's Media Coordinator and Public Spokesperson at Columbia University in 1999, fielding B2 inquiries from around the world, building public understanding of the University's groundbreaking earth systems science research and developing its K-12 education programs (Passport to Learning™). At the same time, Adams assumed leadership for B2's exhibits and public outreach staff of 80. After two years in the private industry biotech sector overseeing R&D as well as aspects of sales, marketing, engineering and design for an innovative water treatment technology, Adams' returned to B2 in 2004, bringing his unique institutional knowledge of the facility to bear as a critical member of the B2 transition team. Adams' experience and vision filled critical roles throughout that period in the positions of Facilities Manager, Health & Safety Supervisor, Public Outreach Coordinator and Biological systems manager, culminating in his being named Assistant Director of Planning and Facilities, a mantle he held for seven years. In 2014, Adams advanced to his current leadership role of Biosphere 2 Deputy Director. In part, the promotion marked a return to his roots, engaging as a key member of the team that plans and directs all research and related activities inside Biosphere 2 and the surrounding campus. Beyond research, however, as Deputy Director Adams also holds responsibility for planning and direction of site operations and Under the Glass activities, serving as B2's primary spokesperson and media contact, overseeing biome management, energy management and facilities maintenance and setting the vision for public outreach.
Astronomy/Geosciences

Subject Area: Science/Math

Thursdays: 6 Sessions 9:00 AM - 11:00 AM  Start: Thu 1/24/19  End: Thu 2/28/19

Tucson Place: Ocotillo Room

Course Description
Our exploration of the Earth, the Solar System, and the Universe continues.

This semester our Astronomy emphasis will be Exploring Southern Skies. We will go below the equator and take a look at our Southern Hemisphere’s night skies. And we will also visit various astronomical observatories located in Chile, Australia, Africa, and Antarctica.

Our Geosciences’ emphasis will be “The Oldest Rocks on Earth”. This will take us to Northern Canada, Greenland, and Australia to study where they are, how old they are, how they are dated, and how they formed.

In addition we will discuss on-going discoveries in astronomy, planetary sciences, and Earth sciences. Information will be conveyed using short videos, awesome photographs, understandable/fun graphics, and class discussions.

We will also have several guest speakers from the University of Arizona’s Astronomy, Planetary Sciences, and Geosciences Departments.

Science Fiction Theatre continues, with short clips highlighting a century of Sci Fi movies and TV shows.

Please join us for this continuing journey of discovery and adventure.

Being in an earlier Astronomy/Geosciences class that John McCauley and I have hosted is neither a prerequisite nor necessary to understand and enjoy this class.

Instructor: Guy Jette

Guy, retired from the U.S. Air Force after 37 years, working in Research and Development in both the aeronautics and space fields. He holds MBA and MS degrees, and is an Associate Fellow of the American Institute of Aeronautics and Astronautics. He currently works in astronomy outreach as a docent at Kitt Peak National Observatory. For the past three years he has given lectures at the University of Hawaii Institute for Astronomy on Maui. Guy also is a member of the Arizona Astronomy Board, which supports the Astronomy Department at the University of Arizona.

John McCauley

John retired from IBM after 43 years working in the development of Computer Mainframe Systems and Enterprise Storage Systems. John worked for NASA at the Marshall Space Flight Center in Huntsville, Alabama while an undergraduate student at Purdue University.

John's formal education is in Electrical Engineering and Computer Science. Since retirement, John has been active in developing science courses at OLLI-UA.
Intermediate Conversational Spanish

Subject Area: Literature/Writing/Language

Thursdays: 12 Sessions 9:00 AM - 11:00 AM  Start: Thu 1/24/19  End: Thu 4/11/19
Tucson Place: Palo Verde Room

Course Description
Study Group members who have taken beginning Spanish will improve reading, writing, and conversational skills with stories, poems, plays, songs, and hands-on activities.

Instructor: Josephine Kelleher

Dr. Josephine Kelleher is a retired educator who has been studying Spanish for the past year at OLLI. In addition to teaching at the university level, Dr. Kelleher has been a science and mathematics teacher at the middle school level, a high school assistant principal and principal, and superintendent of schools in three school districts. Dr. Kelleher earned a bachelor’s degree in science and mathematics education and a master of arts in teaching in biological sciences from Rhode Island College, and a doctorate in educational leadership from the University of Connecticut.

Co-Instructors

Mallory Rieggers

Mallory Riegger has a BS in Accounting from University of Arizona and is a CPA. She worked in Accounting and Management for 12 years, 9 years in Copper Mining in Arizona and 3 years in Banking in Belgium, before becoming a stay at home mother of 3 and volunteer in various charitable organizations. Mallory has handled various jobs over the years, including webmaster, treasurer, secretary, newsletter editor, among many other positions. Since joining OLLI-UA, Mallory has worked with Beverly Jordon in the Documentaries to Make You Think, been the librarian for the DVD library, Curriculum Committee member primarily working with Bob Sklar and Meg Hovell on scheduling starting in February 2017 and was elected to OLLI-UA’s Council in March 2017.

Marianne Vanzyl

Marianne Vanzyl was born and raised in Holland. Speak five languages, lived in Switserland for 1 yr. before coming to the US. I married a widower with four kids so I had an instant family. Two yrs. into our marriage we moved to southern Spain where we lived for 8 yrs. After returning to CT. we moved to AZ (to stay warm). I've been a volunteer with the AZ Cancer center for over 27 yrs. I love to travel, photography, opera, theater, gardening and of course my volunteering plus much much more.
**Reading the New Yorker**

**Subject Area:** Literature/Writing/Language

**Thursdays:** 12 Sessions 11:15 AM - 1:15 PM  **Start:** Thu 1/24/19  **End:** Thu 4/11/19

**Tucson Place:** Palo Verde Room

**Course Description**
We read portions of the weekly "The New Yorker" and individual attendees agree to briefly report on each of several articles, as they wish. This is the format of the course offered in Green Valley for several years and has proved so popular that two classes are regularly offered there. A new subscription to the magazine can run as little as $6 for twelve issues, student rate, and get you a shiny new tote bag as well.

**Instructor:** Ron Peterson

Ron Peterson has been a UA OLLI-UA member since 2012 following a career as a broker and investment banker in Washington, DC. He served as a VP at Paine Webber and Prudential Securities and headed a financial futures unit for Merrill Lynch. He is the author of "Solomon's Wishes", a book on investment strategies and tactics, won two investment contests and lectured on markets for banks and individual investors. He holds two masters’ degrees and four graduate certificates.

Marcia Nedland

Marcia Nedland is an urban planner and principal of Fall Creek Consultants, a national advisor to nonprofits, neighborhood associations, government, funders and other policymakers on neighborhood revitalization and housing market re-building. Her summer home is in Ithaca, New York, and she was born and raised in the rural Midwest. Interests include politics, sociology, birding, watercolor painting, and food.

**Bhutan: In Search of Gross National Happiness**

**Subject Area:** Travel/Entertainment

**Thursdays: Single Session** 11:15 AM - 1:15 PM  **Start:** Thu 1/24/19

**Tucson Place:** Ocotillo Room

**Course Description**
Bhutan: In Search of Gross National Happiness

Ever since the 1970s, when Bhutan’s former king, Jigme Singye Wangchuck, coined the term Gross National Happiness (GNH), economists, sociologists, philosophers and politicians have questioned whether relying solely on economic output (Gross Domestic Product or GDP) is a viable measure of the general contentment and wellbeing of a people.

This session will introduce the tiny country of Bhutan, based on the presenter’s trip to that country, and will explore the concept of GNH as conceptualized by that nation and by the global community.

**Instructor:** Renate Schulz
Renate Schulz is Professor Emerita at the University of Arizona. She holds a Ph.D. from the Ohio State University in foreign language education and was awarded a honorary doctorate from the University of Leipzig (Germany). She has taught in six countries and is widely published in her field. Her book, Life in Alien Territory: Memories of Peace Corps Service in Mali (Wheatmark, 2015) recounts her impressions and adventures during one of her four periods of service in the Peace Corps.

**CCO CPR and Use of the AED; Learn to Save a Life!**

**Subject Area:** Health/Self Help, Science/Math

**Thursdays: Single Session** 11:15 AM - 1:15 PM  
**Start:** Thu 1/24/19

**Tucson Place:** Saguaro Room

**Course Description**

Banner-UA Sarver Heart Center trainers will lecture and teach us CCO (chest compression only) CPR - NO BREATHING of the victim is required! We will also learn how to use our own AED (automatic external defibrillator) which is located in our hallway. A combination of didactic lecture about CCO CPR and the AED and hands-on practice with CPR dummies for all class participants will be offered. Come and learn how to save a life!

**Instructor:** Richard Wachter

Dick Wachter is an OLLI member and a retired Neuroradiologist who practiced in Tucson for 30 years.

**Film Discussion Group**

**Subject Area:** Arts/Culture

**Every Other Thursday:** 6 Sessions 1:30 PM - 3:30 PM  
**Start:** Thu 1/24/19  
**End:** Thu 4/4/19

**Tucson Place:** Saguaro Room

**Course Description**

Every other week we will meet to discuss 2 movies playing locally that have been assigned to, or voted upon by class members. One class member will lead the discussion for each movie. This class has been ongoing for several years, and generates lively and controversial discussions as members dissect and compare films frequently calling upon their own personal and professional experiences.

**Instructor:** Rob Getlan

I have always been an avid film enthusiast. This class has been a great way to see and discuss the new releases in the theaters.

**Co-Instructor:** Kathleen Roberts
Silas Marner

Subject Area: Literature/Writing/Language

Thursdays: 4 Sessions 1:30 PM - 3:30 PM   Start: Thu 1/24/19   End: Thu 2/14/19

Tucson Place: Palo Verde Room

Course Description
To modern readers who are not familiar with this book, the name of Silas Marner seems to be the embodiment of a miser. George Eliot, however, has constructed a character with many facets to his life and shows us a man who, in his old age, is able to grasp happiness after a life of despair. If you have never read Silas Marner (or hated it in high school), join us to experience Eliot's beautiful, short novel. I will use the Barnes and Noble Classics edition, but any edition will do. Copies are available on-line and in stores for various prices. Expect to read approximately 35-40 pages per week to prepare for class discussion. ISBN: 978-1-59308-251-2

Instructor: Suzanne Peters

Sue Peters is an experienced study group leader.

Archaeology without Borders: How Philanthropy in the Southwest Erased the International Borders

Subject Area: Arizona History/Culture

Thursdays: Single Session 1:30 PM - 3:30 PM   Start: Thu 1/24/19

Tucson Place: Ocotillo Room

Course Description
During the early 1900s William Shirley Fulton traveled from Connecticut to Arizona and became enamored with southwestern archaeology. He developed a passion for understanding the Native peoples who originally settled this land. This passion led him to create the Amerind Foundation in Dragoon, Arizona--a museum, art gallery, and research center--dedicated to fostering and promoting Native American culture, history, and art. This course will explore the history and work of Amerind through its various activities set against the history of Arizona at that time. The Fulton family's philanthropy led to major excavations and discoveries in southeastern Arizona and northern Chihuahua, Mexico, and to seeing this part of the world and its inhabitants without the international border.

Instructor: Christine Szuter

Christine Szuter is executive director of Amerind (amerind.org)--a Native American museum, art gallery, and research center located in Dragoon, Arizona. She is an archaeologist by academic training and has worked in the publishing industry as director and editor-in-chief at the University of Arizona Press. Prior to coming to Amerind, she was the director of the graduate certificate program in scholarly publishing and public history at Arizona State University.
History of San Xavier

Subject Area: Arizona History/Culture

Thursdays: 4 Sessions 9:00 AM - 11:00 AM Start: Thu 1/31/19 End: Thu 2/21/19
Tucson Place: Saguaro Room

Course Description
Course is 4 sessions each 90 minutes long. First session is history of native people and Spanish before the mission period. Second session is mission period along with expanded information on several missionaries at San Xavier. Third session is a look at symbology at San Xavier and a review of conservation efforts on Immaculate Conception statue called: "Moving Mary" with video of the removal for conservation and interviews with art conservators who did the work. Fourth session is history of Apache/O'odham conflicts and a update on current restoration. After session the instructor will provided a private tour at San Xavier for students the following week.)

Instructor: Craig Reid

Docent at San Xavier del Bac, community speaker on history, art, restoration and symbology.

Birds of Mt. Lemmon, Patagonia and Ramsey Canyon

Subject Area: Science/Math

Thursdays: Single Session 11:15 AM - 1:15 PM Start: Thu 1/31/19
Tucson Place: Saguaro Room

Course Description
Photography and Description of Birds of Southern Arizona. Specific Habitats and Photos of Mt. Lemmon, Patagonia and Ramsey Canyon presented. Henry Johnson M.D. is the presenter. He is a local "Birder" and photographer.

Instructor: Henry Johnson M.D.

Henry Johnson M.D. will be the presenter. He is a retired Internist who is also an avid "Birder" and Photographer. He has a Blog and does lectures locally about Birds of the Southwest.

Estate Planning: Everything You Ever Wanted to Know

Subject Area: Health/Self-Help

Thursdays: Single Session 11:15 AM - 1:15 PM Start: Thu 1/31/19
Tucson Place: Ocotillo Room

Course Description
What is it you need to do to have your estate plan in order? Are you current on all that you need: Wills, Trusts, Living Wills, Powers of Attorney, Titling of Property, Avoiding Estate Tax, Avoiding Probate, and Trusts for
Grandchildren. Attorney Kay Richter will discuss the documents you should have in place and any changes you might need due to new law or your situation. Bring all of your questions.

Instructor: Kay Richter

Kay Richter is Past President of the National Academy of Elder Law Attorneys – Arizona. She chairs the State Bar Elder Law / Estate Planning Attorney lunch group with these areas being the areas of her law practice. She served on the board of Pima Council on Aging for 12 years. She has the highest rating possible by the largest evaluator of attorneys. Her sole legal focus has been estate planning since 1986.

10 Warning Signs of Alzheimer’s

Subject Area: Science/Math

Thursdays: Single Session 1:30 PM - 3:30 PM   Start: Thu 1/31/19

Tucson Place: Ocotillo Room

Course Description

Alzheimer’s and other dementias cause changes in memory, thinking and behavior that interfere with daily life. Join us to learn about 10 common warning signs and what to watch for in yourself and others.

The one-hour program covers:

» Typical age-related changes.

» Common warning signs of Alzheimer’s.

» How to approach someone about memory concerns.

» Early detection, the benefits of a diagnosis and the diagnostic process.

» Alzheimer’s Association resources.

Instructor: Morgen Hartford

Morgen Hartford is the Southern Arizona Regional Director for the Alzheimer's Association Desert Southwest Chapter where he provides dementia education throughout Southern Arizona; coordinates over 25 support groups across five counties; and implements unique family programs for care partners and people with dementia. Morgen received his Master's of Social Work from the University of Montana and has done wide-ranging work on issues of homelessness and housing, child welfare, positive youth development, food security, and sustainable agriculture. He is former farmer and avid outdoors-man who has fallen in love with the Southwest. Co-Instructor: Lisa Brazil
The Best of Film Noir

Subject Area: Arts/Culture

Every Other Thursday: 6 Sessions 1:30 PM - 3:30 PM  Start: Thu 1/31/19  End: Thu 4/11/19

Tucson Place: Saguaro Room
Additional cost: $1 for snacks

Course Description
Film Noir is a cinematic term used primarily to describe stylish Hollywood crime dramas, particularly those that emphasize cynical attitudes and sexual motivations. Hollywood's classical film noir period is generally regarded as extending from the early 1940s to the late 1950s. Film noir encompasses a range of plots: the central figure may be a private investigator, a plainclothes policeman, an aging boxer, a hapless grifter, a law-abiding citizen lured into a life of crime, or simply a victim of circumstance.

Possible films to include Sunset Boulevard, The Third Man, Double Indemnity, D.O.A., The Maltese Falcon and Chinatown.

Instructor: Rob Getlan

I have always been an avid film enthusiast.

2019 Tucson Festival Of Books: Who's Coming and What's New

Subject Area: Literature/Writing/Language

Thursdays: Single Session 11:15 AM - 1:15 PM  Start: Thu 2/7/19

Tucson Place: Ocotillo Room

Course Description
Preview of who is coming, activities and events for the 2019 Tucson Festival of Books. Introduction to the 3rd largest Book Festival in the United States, video of some attending authors, highlighted sessions, and using the Festival App. It's going to be an exciting festival.

Instructor: Lindy Mullinax

Lindy has volunteered for Tucson Festival of Books for 9 years in a variety of administrative capacities. She is currently the Co-Chair of the Volunteer Committee.

Sharin Manion

Sharin retired from PCC as the Department Chair for Sign Language and Interpreter Training. She has worked for the Festival of Books for the last 4 years.
US Immigration - The Basics

Subject Area: History/Current Events

Thursdays: Single Session 11:15 AM - 1:15 PM  Start: Thu 2/7/19

Tucson Place: Saguaro Room

Course Description
One Hour, PowerPoint presentation (45 minutes) with Q&A (15 minutes)

This presentation will provide a basic overview of US immigration so that participants can understand today's current events and the issues and challenges of our current system. Topics covered will include:

1. US Immigrants Over Time - Diversity and % of Population
2. US Visas Overview - paths to citizenship and temporary visas
3. US Cabinet Departments - Who does what in the process? (including courts and detention)
4. Unauthorized Residents - Why do we have them? Statistics
5. Recent immigration topics in the news

Instructor: Alyson Ball

BA Cornell University, MBA Wharton University of Pennsylvania
Career in Private Sector (Marketing and International Business), Microfinance, Consulting and Teaching Nonprofit Boards
Self-Study re: Immigration Laws, History, Organizations, Situation, etc

Winter in Green Valley (November - February)

Musical Romance with Jose Luis Gomez

Subject Area: Arts/Culture

Thursdays: Single Session 11:15 AM - 1:15 PM  Start: Thu 2/14/19

Tucson Place: Ocotillo Room

Course Description
Join TSO Music Director José Luis Gomez as he discusses TSO’s performance of Tchaikovsky’s Piano Concerto No. 1 and Bruckner’s Symphony No. 7. Maestro Gomez will discuss the background of each composer, the history and importance of each work, and why he paired them together.

Note: José Luis Gomez will be live on the Ocotillo Room and 72 people will be selected randomly from all of those who registered for this session. We will be simulcasting this presentation in the Saguaro Room and the first 60 on the waiting list for the session will be assigned to the Saguaro Room. During the break, José Luis Gomez will come into the Saguaro room to answer any questions or comments.
Instructor: Jose Gomez

The Venezuelan-born, Spanish conductor José Luis Gomez joined the Tucson Symphony Orchestra as Maestro in 2016 after serving as the principal conductor of the Orchestra 1813 Teatro Sociale di Como. His career includes many significant awards and appointments.

### The Other Side of the Vietnam War

**Subject Area:** History/Current Events

**Thursdays:** Single Session 1:30 PM - 3:30 PM  **Start:** Thu 2/14/19

**Tucson Place:** Ocotillo Room

**Course Description**
During the Vietnam war there where many non-combatants (civilians) involved.

Terry Coleman served in the State Department's United States Agency for International Development as part of President Nixon's "Pacification Program" from 1969-1971.

This class will present his personal experiences and adventures as a refugee officer during the war.

Instructor: Terry Coleman

Terry has been a resident of Tucson for 35 years and an OLLI member. He is retired from the local school system having been a school counselor. He has served overseas as a Peace Corps volunteer in India and later as a Foreign Service officer in South Vietnam.

### Poetry Reading and Discussion

**Subject Area:** Literature/Writing/Language

**Thursdays:** 8 Sessions 11:15 AM - 1:15 PM  **Start:** Thu 2/21/19  **End:** Thu 4/11/19

**Tucson Place:** Saguaro Room

**Course Description**
This 8-week class is a continuation of the Fall Poetry Reading & Discussion Class, but prior attendance is not necessary to enroll. This semester we will return to discussing poems from an anthology using Garrison Keillor's "Good Poems". This is a selection of 294 poems that were previously read on the radio show "The Writer's Almanac" on NPR. The wide variety of poets, poems, styles, and topics should provide for meaningful discussion. Keillor wrote that these are “... poems that somehow stuck with me and with some of the listeners. Stickiness, memorability, is one sign of a good poem. You hear it and a day later some of it is still there in the brainpan.” Looking forward to discussing if they stick in your “brainpan” and heart and why.

Please purchase a copy of "Good Poems". It is available on Amazon in hardback and paperback, new and used. (Note, Keillor has three different editions by this title. This is the first one simply entitled "Good Poems", 2002.)
Instructor: David Van Houten

David is a retired educator from Michigan and moved to Tucson with his husband in 2010. David enrolled in Dan Gilmore's poetry writing and discussion classes at OLLI in 2015. David describes Dan and his classes as having a profound impact, challenging him to explore his inner life, relationships, and the world through poetry, class discussion and writing. In the process he has discovered the joy of reading and sharing poems.

**Understanding "A Course In Miracles"**

**Subject Area:** Health/Self-Help, Philosophy/Religion

**Thursdays: Single Session** 11:15 AM - 1:15 PM   **Start:** Thu 2/21/19  
**Tucson Place:** Ocotillo Room

**Course Description**

A Course in Miracles is something of a phenomenon that has affected the lives of many thousands of people. This three-volume set of books was received through a process of inner dictation by a psychologist at Columbia University, beginning in 1965. After ten years of preparation, the Course was first published in 1976 by the Foundation for Inner Peace. Since then, more than three million of these books have been sold, without the benefit of any paid advertising, to men and women in every walk of life and every major faith.  
(http://www.miraclecenter.org )

Instructor: Jamie McMillin

After my first wife died in 1987, I set about a search for meaning that I wasn't able to find in organized religion. (Baptized, confirmed Episcopalian). In 1988, at a forum held at the First Unitarian Church in Memphis, I was Introduced to A Course In Miracles (ACIM). I have been a student ever since. Currently, I attend a weekly study group meeting at the Center for Spiritual Living on East River Road.

**Advanced Spanish**

**Subject Area:** Literature/Writing/Language, Arts/Culture

**Thursdays:** 8 Sessions 1:30 PM - 3:30 PM   **Start:** Thu 2/21/19  **End:** Thu 4/11/19

**Tucson Place:** Palo Verde Room

**Course Description**

The Advanced Spanish course is directed to students that read, understand, and speak Spanish competently, as it was done during Spring 2017. That is, students who want to continue maintaining their advanced level of Spanish. The targeted language was and will be the only one used in class. Grammar is only reviewed as needed.

Instructor: Maria Gardeta-Healey

With undergraduate and graduate degrees in French Philology, Phonetics and Literature, and a PhD in Spanish Drama, Maria taught French and Spanish at ASU and Mesa Community College.
Co-Instructor: David Healey

David Healey is a retired civil engineer and a former Peace Corps Volunteer in Ecuador and Peru, 1969-71.

**Working with Titans**

**Subject Area:** Arizona History/Culture, History/Current Events

**Thursdays: Single Session** 1:30 PM - 3:30 PM  **Start:** Thu 2/21/19

**Tucson Place:** Ocotillo Room

**Course Description**

Using the Titan Missile Museum/Titan Missile National Historic Landmark and her experience as a Missile Combat Crew Commander in the Titan II program, the presenter will discuss the role the Titan II played in the peaceful conclusion of the Cold War and what this weapon system can tell us about the potential nuclear threats facing the US today.

Instructor: Yvonne Morris

Yvonne C. Morris has been the Director of the Titan Missile Museum since October 2004. As an officer in the United States Air Force, she was one of the Missile Combat Crew Commanders responsible for missile site 571-7, which is now the Titan Missile Museum and Titan Missile National Historic Landmark.

Yvonne was commissioned through the Air Force ROTC program at the University of Virginia (UVA). While in college, Yvonne was selected to be among the first group of women recruited by the Air Force in 1978 for duty in the Titan II system. She received a Bachelor of Arts Degree with Distinction in Speech and Communications in 1980 from UVA. In 1981, after graduating with distinction from Missile Launch Officer Training, Yvonne was assigned to the 390th Strategic Missile Wing (SMW) at Davis Monthan AFB, Tucson, Arizona. During her assignment with the 390th SMW, Yvonne served as a Missile Combat Crew Commander and senior instructor. Yvonne trained other crew commanders, managed combat crew training for the entire Wing, and served as an advisor to the Wing Commander and his Battle Staff. Among the launch facilities where Yvonne and her crew pulled alerts was missile site 571-7 at the Titan Missile Museum.

Putting her Air Force training to good use, she began volunteering as a Docent and Instructor at the Titan Missile Museum in 1998. In 2000, she was appointed to the Board of Trustees of the Arizona Aerospace Foundation where she chaired the Foundation’s Titan Missile Museum Committee. Four years later, she was appointed Director of the museum. Yvonne was appointed the Executive Director of the Arizona Aerospace Foundation in July of 2008 where she oversaw the Pima Air & Space Museum in addition to the Titan Missile Museum. She returned to the Titan Missile Museum as its full time Director in October of 2014.

Yvonne has appeared on several history and tourism themed television shows and documentaries, including Inside a Nuclear Launch Pad: What Could Have Been WW III by National Geographic, Secret A-Bomb Factories for the History Channel, No Reservations with Anthony Bourdain on the Travel Channel, Mysteries at the Museum on the Travel Channel, Arizona Highways, and California’s Gold with Huell Howser. She was also a featured speaker at the first Cold Culture Symposium, an international symposium on new approaches to Cold War research, education and expression at the Diefenbunker Museum in Ontario in 2008, and at the Mutual
Concerns of Air and Space Museums Conference in 2011 where she spoke on the topic of interpreting the role of nuclear weapons in the Cold War.

**Becoming a Better Investor**

**Subject Area:** Health/Self-Help

**Thursdays: Single Session** 11:15 AM - 1:15 PM  **Start:** Thu 2/28/19  
**Tucson Place:** Ocotillo Room

**Course Description**

**Instructor:** John Goordman

My career began in mid-town Manhattan and the financial district of N.Y.C. in 1987. After transferring to Tucson I joined Smith Barney where I spent 21 years prior to joining Raymond James Financial Services Inc. as an independent advisor in June 2009. In April 2015 I left RJFS Inc. to establish an RIA practice. I received my B.S. and Certificate in Entrepreneurship from Excelsior College in Albany, N.Y. In my spare time I like to workout, travel and spend time with my dog Chloie.

**Is this Art?**

**Subject Area:** Arts/Culture

**Thursdays: Single Session** 1:30 PM - 3:30 PM  **Start:** Thu 2/28/19  
**Tucson Place:** Ocotillo Room

**Course Description**
The jury is seated and Art is on the stand! In this two-hour class we will cross-examine selected examples of contemporary art that challenge our long held ideas of what is art. An illustrated lecture will introduce us to a definition of art interpretation followed by a discussion about what we think should actually be called Art.

**Instructor:** Ryan Hill

After many years on the east coast, Ryan Hill recently moved to Tucson. He is an artist who has exhibited nationally and has taught studio art and graduate seminar courses at Yale, George Washington University, American University, CUNY, and 92nd St Y. He has worked as an educational curator at L.A. MOCA, Solomon R Guggenheim Museum, Hirshhorn Museum and Sculpture Garden, and the Yale Art Gallery. He writes about the role of interpretation, leads workshops at national museums and has presented at international conferences. In 2014 Ryan received the prestigious Smithsonian Education Innovation Award.
Co-Instructor: David Hill

David Hill is a psychologist interested in how our personal points of view evolve over our lifetime and how they influence our relationship with self and others. He has worked in private practice, public clinics and academic settings for over 45 years.

Create A Life You Love, Part II: Mindful Manifestation

**Subject Area:** Health/Self Help

**Thursdays:** 6 Sessions 9:00 AM - 11:00 AM  **Start:** Thu 3/7/19  **End:** Thu 4/11/19

**Tucson Place:** Saguaro Room

Additional cost: $15/participant for materials and printing.

**Course Description**

Take a deeper dive into creating a life you love. Using transformational tools, practical spirituality, and the Law of Attraction, this class will help you manifest abundance in every area of your life. You'll gain the self-confidence you need to ask for what you deserve. You'll break through your limiting beliefs and move forward with faith. You'll rediscover the true you and shine like the star you are!

Each session consists of lecture and group activities. Accountability exercises keep you on track and improving. Strength-based tools boost your self-esteem. You'll get the support and connections you need to transform your life. The flow of exercises is tailored to meet your vision, your values, and your unlimited potential.

**Instructor:** Jennifer Rowley

Jennifer Rowley, the founder of Fab55, helps older adults transform their lives through classes, consulting, and speaking engagements. Her social work experience includes geriatric case management in Seattle, Washington, and live-in caregiving. Rowley has a bachelor’s degree from the University of Massachusetts, Amherst. She is trained in non-violent communication, certified in Matrix Energetics, and is a level II Reiki practitioner.

Best Musicians Born in 1941

**Subject Area:** Arts/Culture

**Thursdays:** Single Session 11:15 AM - 1:15 PM  **Start:** Thu 3/7/19

**Tucson Place:** Ocotillo Room

**Course Description**

Simon and Garfunkel. Otis Redding and Wilson Pickett. Richie Havens and David Crosby. Charlie Watts and Chick Corea. Buffy Saint Marie. Christopher Hogwood and Jordi Savall. Enjoy music from these artists and several more — classical, jazz, folk, soul, rock — plus hits from the year 1941. Expect the unexpected and be prepared to be surprised and delighted.

**Instructor:** John "Nemo" Nemerovski

Biography: John Nemo is a lifelong musician and educator who has immersed himself in folk, early rock, blues, jazz, and classical music. He plays guitar and provides a fascinating syllabus for his music appreciation courses.
Tucson Wildlife Center, Living with Urban Wildlife

Subject Area: Science/Math

Thursdays: Single Session 1:30 PM - 3:30 PM   Start: Thu 3/7/19
Tucson Place: Ocotillo Room

Course Description
A description of the rescue, rehabilitation, and release activities at TWC; what to do when you find an orphaned, injured, or ill wild animal. A tour of Tucson Wildlife Center may be offered.

Instructor: Robin Motzer

Robin is Director of Philanthropy and Outreach at Tucson Wildlife Center. She is a longtime animal and nature lover. In addition to her outreach and administrative duties, she volunteers as caretaker in the Birds and Bunnies orphanage during the spring and summer.

Reflections of a Pilgrim: A 7-day Adventure on El Camino de Santiago

Subject Area: History/Current Events

Thursdays: Single Session 11:15 AM - 1:15 PM   Start: Thu 3/14/19
Tucson Place: Ocotillo Room

Course Description
Have you ever considered walking “El Camino de Santiago” (St. James’ Way) or a section thereof? If you are curious about “El Camino” and want to hear about a pilgrim’s recent trip on the “Camino”, this single session is for you.

I will share my experiences, and suggestions to help make yours a successful walk.

In this session I will cover:

• Pre-“Camino” preparations,

• Required and recommended gear,

• Aspects of the “Camino” walk,

• Procuring the certificate of completion.

The “Camino” is not actually one, but several, roads or “ways” originating in different European countries, and within Spain, but all converge in front of the Cathedral of Santiago de Compostela in the province of Galicia, Spain. Pilgrims undertake this pilgrimage for religious or spiritual reasons (to visit the tomb of St. James), or as a personal physical challenge.

My companions and I traveled the Portuguese Coastal “Camino”; the Portuguese “Camino” is the second most traveled of all the “Caminos”. We actually began our journey just north of the Portuguese border, 80 “Camino” miles (just under 129 kilometers) from Santiago. Through photos and videos, I will offer tips for staying on
course, share some anecdotes about fellow pilgrims we met along the way, and recommend “things to do” in Santiago after completing the walk.

Instructor: Jorge Tapia

I am a retired TUSD teacher, retired Master Sergeant-US Army, and spent 16 years as an adjunct faculty member of the NAU-Tucson campus. My interests are hiking, listening to all genres of music and traveling.

I have been a member of OLLI since 2013.

Art and Science – Ways of Knowing the Sonoran Desert

Subject Area: Social Sciences

Thursdays: Single Session 1:30 PM - 3:30 PM   Start: Thu 3/14/19

Tucson Place: Ocotillo Room

Course Description
The environmental challenges of the 21st century— notably loss of habitat and biodiversity—require creative and innovative collaborations, such as those experienced when artists and scientists work together. Learn how the arts, specifically Art-Based Perceptual Ecology (ABPE) research methods when practiced in collaboration with Western science methods are a way of knowing the ecology of place.

ABPE offers a language that codifies one’s embodied experience in the natural world, acts as a language translator and makes possible the information exchange necessary to communicate place-based stories – the environmental history of the Sonoran Desert.

In this lecture, audience members will learn concepts key to ABPE as Dr. Woolery shares stories of her field research conducting biodiversity inventories in the Sonoran Desert.

Why is this work important? By learning pluralistic ways of perceiving the landscape, we may come to know the place in which we live, and find connections with the local habitat. Achieving this multi-dimensional sense of place may contribute to a deeper ethic of caring about the environment, leading us to be good stewards of our ecological and cultural communities.

Instructor: Dr. Lee Ann Woolery

With a focus on divergent ways of knowing, Dr. Woolery pioneered Art-Based Perceptual Ecology, a unique research methodology used in collaboration with Western science methods to study the environment. Woolery is an interdisciplinary scholar, researcher, a practicing artist, and educator of over 30 years. Dr. Woolery has taught art-based environmentally focused workshops at Saguaro National Park, AZ; Red Butte Gardens, UT; and IslandWood, Bainbridge Island, WA. Woolery has also taught “Art and the Environment” classes at University of Washington- IslandWood, University of North Carolina-Asheville and The School of the Art Institute of Chicago. Woolery holds a Doctorate in Environmental Studies from Antioch University New England and a graduate degree from The School of the Art Institute of Chicago. Her doctoral field study in Desert Ecology was conducted in the Sonoran Desert in Arizona and Mexico. Dr. Woolery’s dissertation: Art-Based Perceptual Ecology as a way of knowing the language of place, and additional information on her research, workshops and field expeditions can be found at EcoArt Expeditions. www.ecoartexpeditions.com
Music Education Without Borders: a Collection of Small Coached Ensembles

Subject Area: Arts/Culture

Thursdays: 4 Sessions 9:00 AM - 11:00 AM  Start: Thu 3/21/19  End: Thu 4/11/19
Tucson Place: Ocotillo Room

Course Description
In all ensembles, respectfully understanding the cultural contexts and purposes of the musicking is fundamental. By providing educational and musical experiences to others, these ensembles hope to facilitate a better understanding of humanity and the ever-shrinking global village. This course will cover the development of Music Education without Borders and recommendations for the future of PreK-12 music education and the study of music in higher education in the United States. There will be “informances,” which are performances with information meant to include attendees in the music-dance experience, while presenting and discussing important points about the musicking. Instruments for the presenters and attendees will be used, and PowerPoints will be included to provide visual guidance. The ensembles presenting are Shona mbira music and dance with the Chipo Mbira Ensemble, Irish traditional music and dance with Tíolacadh Irish Ensemble, and Latin American “musicking” with Son Arizona Latin American Ensemble.

Class 1: An introduction to engaged multicultural music education and the development of Music Education without Borders (MEwB)

- This class will be formatted primarily as a lecture-discussion provided by Dr. Corso with audio-video excerpts and interactive components when relevant. A PowerPoint will be used, as well as any musical objects needed to illustrate examples.

2. Class 2: Shona mbira music and dance and Chipo Mbira Ensemble - This class will be led by members of the ensemble and Dr. Corso and formatted primarily as an “informance”—a “performance” with “information” meant to include attendees in the music-dance experience while presenting and discussing important points about the musicking. Instruments for the presenters and attendees will be used, and a PowerPoint will be included to provide visual guidance.

3. Class 3: Irish traditional music and dance and Tíolcadh Irish Ensemble - This class will be led by members of the ensemble and Dr. Corso and formatted primarily as an “informance”—a “performance” with “information” meant to include attendees in the music-dance experience while presenting and discussing important points about the musicking. Instruments for the presenters and attendees will be used, and a PowerPoint will be included to provide visual guidance.

4. Class 4: Latin American “musicking” and Son Arizona Latin American Ensemble - This class will be led by members of the ensemble and Dr. Corso and formatted primarily as an “informance”—a “performance” with “information” meant to include attendees in the music-dance experience while presenting and discussing important points about the musicking. Instruments for the presenters and attendees will be used, and a PowerPoint will be included to provide visual guidance.
5. Class 5: A conclusion with recommendations for the future of PreK-12 music education and the study of music in higher education in the United States - This class will be formatted primarily as a lecture-discussion provided by Dr. Corso with audio-video excerpts and interactive components when relevant. A PowerPoint will be used, as well as any musical objects needed to illustrate examples.

Instructor: Dawn Corso

Dawn T. Corso is an Assistant Professor of Music Education and Ethnomusicology and serves as the current Coordinator for the Music Education Area at the University of Arizona's Fred Fox School of Music. Dr. Corso holds an M.A. and Ph.D. in educational psychology with concentrations in music education and Ethnomusicology and undergraduate degrees in ethnomusicology and anthropology. She has taught PreK-12 general music, choir, and band, served as conductor for community choir and band ensembles, and performed as a coloratura soprano and trumpet player. Her graduate work first focused on the implementation of multicultural music education in general music settings and later shifted to informal learning processes amongst African-American children as they occurred outside school settings. She now focuses on learning vernacular musics and their translation into formalized music education settings.

Co-Instructors: various UA ensemble students

**Tales from the Arthouse: Behind the Scenes at The Loft Cinema**

**Subject Area:** Arts/Culture

**Thursdays: Single Session** 11:15 AM - 1:15 PM  
**Start:** Thu 3/21/19

**Tucson Place:** Ocotillo Room

**Course Description**
The Program Director at The Loft Cinema, Tucson's non-profit, independent arthouse cinema, will discuss the in's and out's of programming a movie theatre, selecting films, working with film distributors and studios, creating and hosting film-based special events, booking special guests, cultivating audiences, etc. The current state of the film industry and the future of "the theatrical experience" will also be discussed.

**Instructor:** Jeff Yanc

Jeff Yanc is the Program Director at The Loft Cinema, and the Co-Director of The Loft Film Fest. He holds a B.A. and M.A. in Film Studies from the University of Arizona, where he was an adjunct professor in Film History.

**Creative Documentary Photography Using iPhone and iPad**

**Subject Area:** Arts/Culture

**Thursdays: Single Session** 1:30 PM - 3:30 PM  
**Start:** Thu 3/21/19

**Tucson Place:** Ocotillo Room

**Course Description**
Improve your composition and visual narrative. Make better people and nature pictures. Use both horizontal and vertical framing. Understand the strengths and limitations of low light and brightly illuminated scenes. Be
ruthless with best image selection. Find out the basics of two-minute photo editing. Develop albums you can share with others. Learn these methods and more in our dynamic single session on iPhone and iPad creative documentary photography. Bring your fully-charged devices to OLLI along with a sense of visual exploration. Be prepared to show in class one of your very best prior images for group discussion.

Instructor: John "Nemo" Nemerovski

John Nemo uses his iPad and iPhone to take and edit and share photos every day. He is an experienced iPad and iPhone instructor who leads the monthly iPad and iPhone Basics class at Tucson's Macintosh User Group in addition to his regular courses for The Learning Curve and his private tutorial workshops.

First Things First: Brains & How to Build Them

Subject Area: Science/Math

Thursdays: Single Session 11:15 AM - 1:15 PM Start: Thu 3/28/19

Tucson Place: Ocotillo Room

Course Description

Lecture and discussion of Early Childhood Development and Behavioral Health from a Specialist in the field.

Instructor: Dorothy Johnson

PCC Adjunct Instructor teaching Human Development and Relations, FTF Pima North Council Member & retired Developmental-Behavioral Pediatrician.

Music from across the African continent

Subject Area: Arts/Culture

Thursdays: Single Session 1:30 PM - 3:30 PM Start: Thu 3/28/19

Tucson Place: Ocotillo Room

Course Description

We will first listen to music from the Rain Forest and its sounds, followed by musical sticks and a musical bow; then solo instruments such as the Kora, balafon, and thumb piano; choral music from the Missa Luba; Ladysmith Black Mombasa; percussion from Olatunji; electric guitar from Mali-supposed 'birthplace of the blues'; and finally music found in the night clubs, including Franco, Touré Kunda, Orchestra Baobab, and more.

Instructor: Cathy Della Penta

Cathy has a BA and MA in Literature and Language [BA In World Lit. and half the Masters in African and Caribbean Literature of Francophone Countries.] She spent 5 years living and working in African over a 19 year period. Four of the 5 years she served as a Peace Corps volunteer in Libya, Niger, and Sénégal. The last year, she was a Fulbright lecturer at the University of Abidjan, in the Ivory Coast. She was a International folk dancer for many years, and a folk singer, with a great interest in world music.
Humor and Creativity: Laugh (or smile?) your way to innovative thinking

Subject Area: Social Sciences

Thursdays: Single Session 11:15 AM - 1:15 PM   Start: Thu 4/4/19
Tucson Place: Ocotillo Room

Course Description
This presentation reviews a wide body of research that points to the value of humor in enhancing creative efforts both individually and in group situations. A major distinction in this research is the type of humor that is most effective in the short term vs. the longer term—for example, a brief issue with “writer’s block” versus the difficulties in dealing with a complex ongoing problem. Insights gained from comedians, advertisers, improvisational actors and social psychologists are reviewed. The humor favored by seniors as distinct from younger adults is described.

Instructor: Marvin Goldberg

Marvin E. Goldberg is the Emeritus Bard Professor of Marketing, Penn State and University Associate with the Eller College of Management, the University of Arizona. Dr. Goldberg held the endowed Irving & Irene Bard Professorship of Marketing in the Smeal College of Business at Penn State University from 1991-2010. While at Penn State, he also served as Interim Dean in 1999-2000 and Chairman of the Marketing Department from 2000 to 2006. From 1971-1991 Dr. Goldberg was a professor in the Faculty of Management, McGill University. Dr. Goldberg holds a Ph.D. in Marketing from the University of Illinois, an M.A. in Sociology from Columbia University and a B.A. from McGill University.

Dr. Goldberg is a past president of the Society for Consumer Psychology and co-founder of the Innovations in Social Marketing (ISM) organization. He is a Fellow of the Society for Consumer Psychology (SCP). Dr. Goldberg served for several decades on the editorial boards of the Journal of Consumer Research; the Journal of Public Policy & Marketing, the Social Marketing Quarterly and the Journal of Social Marketing. He has served on: a) the Institute of Medicine’s (IOM) Committee for the Implementation of the IOM Pregnancy Weight Guidelines; b) The Food Marketing Research Advisory Board of the Robert Wood Johnson Foundation. He served as a consultant to the National Center for Health Marketing of the Centers for Disease Control and Prevention (CDC) from 2006-2008.

Dr. Goldberg continues his consulting work as an expert witness in pharmaceutical, tobacco and commercial transaction-related litigation. He currently volunteers the “Tucson Committee on Foreign Relations,” where he serves as a board member. He coaches elementary students who are below grade level in reading proficiency through the “Reading Seed/ Literacy Connects” organization.
Tech Talk with Nemo – iPhone iPad Mac Basics and More

Subject Area: Health/Self-Help

Thursdays: Single Session 1:30 PM - 3:30 PM    Start: Thu 4/4/19
Tucson Place: Ocotillo Room

Course Description
iPhone -- iPad -- MacBook! Have them charged and be ready to learn in our exciting and informative hands-on open discussion plus Q & A on everything iPhone, iPad, digital photography, music, Macintosh, and more. Bring your questions, charging cables, headphones, PASSWORDS, paper and pen, plus sense of humor and cooperation with your fellow tech talk explorers.

Instructor: John "Nemo" Nemerovski

John Nemo uses his iPad, iPhone, and MacBook Pro every day. He is an experienced Mac, iPad, and iPhone instructor who leads the monthly iPad and iPhone Basics class at Tucson's Macintosh User Group in addition to his small group and private tutorial workshops.

OLLI In Asia, WWII

Subject Area: History/Current Events

Thursdays: Single Session 11:15 AM - 1:15 PM    Start: Thu 4/11/19
Tucson Place: Ocotillo Room

Course Description
A salute to several former SAGE/OLLI members who served in the Pacific and Asia during WWII. Discussion and film footage

Instructor: James Dinniman

Jim Dinniman, retired US Army Intelligence Officer and long time OLLI-UA presenter will lead this class.
Fridays

**Beginning Intermediate Spanish**

**Subject Area:** Literature/Writing/Language

**Fridays:** 12 Sessions 11:15 AM - 1:15 PM  **Start:** Fri 1/25/19  **End:** Fri 4/12/19  
**Tucson Place:** Palo Verde Room

**Course Description**

This class continues the FALL class. Students must have the text "Spanish the Easy Way" 4TH EDITION. If you are new to the class you should know the present indicative tense. This class focuses on speaking. We try to create real life situations where you communicate in Spanish. We do grammar review based on the lessons in the text. We have a lot of laughs.

Instructor: Susan Sotelo

Hi, I love to teach Spanish. I've taught at the U of A, Pima College, Catalina Foothills, and at Sun City Vistoso. I've publish a work of literary criticism "Chicano Detective Fiction".

**DNA AND YOU**

**Subject Area:** Science/Math

**Fridays:** 12 Sessions 9:00 AM - 11:00 AM  **Start:** Fri 1/25/19  **End:** Fri 4/12/19  
**Tucson Place:** Ocotillo Room

**Course Description**

The study of DNA in the past 10 years has yielded information which has profoundly influenced virtually every aspect of peoples' understanding of themselves... including their place in the universe, their origins, their view of racial diversity, their religious beliefs and, most of all, their grasp of the place of science in their lives. All of these themes will be explored in a 12 WEEK SERIES OF LECTURES.

Instructor: Jack Gallagher

Jack holds degrees in biochemistry, theology, counseling and education and did his doctoral work in psychology at New York University. He has the ability to speak knowledgeably on a wide variety of subjects due to his varied academic background. Jack held licenses in both counseling and mediation in the State of Idaho. In retirement, Jack has become an avid reader of American and world history. His professional career includes 30 years as an educator and 40 years as a mental health professional.
Understanding Free Market Capitalism

Subject Area: History/Current Events

Fridays: 8 Sessions 9:00 AM - 11:00 AM  Start: Fri 1/25/19  End: Fri 3/15/19

Tucson Place: Saguaro Room

Course Description
Over 8 sessions we will look at the historical origins of free market capitalism, the moral foundations of this economic system, the role of pricing and profit in managing an economy, the meaning of economic "value", the sources and impacts of innovation, competing alternatives to free market capitalism, the positive role of government in a free market system and the negative impacts of government on this economic system. This will be a course on economic ideas, not on current politics or a defense of the crony capitalism supported by current politics. The course is a modified repeat of a program I presented about five years ago.

Instructor: Ray Baxter

Ray Baxter is retired and has been living in Tucson since 2009. He was CEO of a $300 million food company for 22 years. He has also served for two years as Chairman and interim CEO of a rational process capability development and consulting company prior to his full retirement. He has a BA in Political Science and an MA in Japanese Area Studies from the University of Michigan and an MBA from the Harvard Business School. Currently, Ray is a volunteer with SCORE, providing pro bono mentoring and education for Tucson residents wanting to start a small business or improve their existing business. Ray’s teaching experiences includes conducting numerous workshops on rational process capability, organization change management and leadership.

Family Caregivers - Present or Future - Prepare to Care

Subject Area: Health/Self Help

Fridays: 3 Sessions 11:15 AM - 1:15 PM  Start: Fri 1/25/19  End: Fri 2/8/19

Tucson Place: Saguaro Room

Course Description
No matter where you are in the journey of family caregiving, having a solid plan to guide you and your loved one will make the process easier. Learn the 5 steps: How to start the conversation, Forming a team, Making a family plan, Finding support and Importance of self-care. AARP wants family caregivers to know that support and resources are available to help make this important work a little easier!

Instructor: Maria Ramirez-Trillo

Maria has been with AARP for a total of 15 years, five years with the AARP Arizona State Office Team as an Associate State Director-Community Outreach and the rest with the AARP Foundation as Program Director of the Senior Community Service Employment Program (SCSEP). Prior employment with the State of Arizona-Aging & Adult Administration, the National Council on Aging and the Association for Hispanic Elderly. She is a native.
of Arizona and an alumni of the University of Arizona. She is currently on a caregiving journey with parents who are both 88 years old.

**Intermediate Spanish**

**Subject Area:** Literature/Writing/Language  
**Fridays:** 12 Sessions 9:00 AM - 11:00 AM  
**Start:** Fri 1/25/19  
**End:** Fri 4/12/19  
**Tucson Place:** Palo Verde Room

**Course Description**
This class continues the FALL class. Students must have the text "Spanish the Easy Way" 4TH EDITION. If you are new to the class you should know the present indicative tense, be familiar with command forms and the preterit indicative. This class focuses on speaking. We try to create real life situations where you must communicate in Spanish. We do grammar review based on the lessons in the text. We have a lot of laughs.

Instructor: Susan Sotelo

Hi, I love to teach Spanish. I've taught at the U of A, Pima College, Catalina Foothills, and at Sun City Vistoso. I've publish a work of literary criticism "Chicano Detective Fiction".

**Living Well with Hearing Loss**

**Subject Area:** Health/Self Help, Science/Math  
**Fridays:** 2 Sessions 11:15 AM - 1:15 PM  
**Start:** Fri 1/25/19  
**End:** Fri 2/1/19  
**Tucson Place:** Ocotillo Room  
Additional cost: There is an additional charge of $5 for booklet and pin

**Course Description**
Living Well with Hearing Loss is an aural rehabilitation program for people with hearing loss and their most frequent communication partners. It is a great way to learn about the ear and the hearing system as well as discuss communication strategies that can help to maximize hearing. Participants will be provided a booklet guiding them through the course and will be encouraged to participate in self-reflection activities. Participants who have already had their hearing tested are invited to bring their test results with them.

Goals of this class include:

1. Assisting people with hearing impairment in understanding the nature of their hearing loss, how to cope with it and what devices are available to help them;

2. Facilitating communication between the hearing impaired person and their significant other about the impact of the hearing loss on their ability to communicate effectively; and

3. Providing strategies to help maximize communication.

Instructor: Fadyeh Barakat
Fadyeh Barakat is a Clinical Assistant Professor with the Speech, Language and Hearing Department at the University of Arizona. She completed her Masters in Rehabilitation Counseling, and her Doctorate in Audiology from the U of A. She has worked as a Child & Family Therapist and Rehabilitation Counselor for both non-profit and private practices. As the on-campus Educational Audiologist at the Arizona State School for the Deaf and Blind, Dr. Barakat was responsible for assessing and supporting students age 3 to 22 years and has experience working with children with varying degrees of visual impairment, hearing impairment, and with deaf-blind populations. For the last seven years, Dr. Barakat has and continues to provide audiologic services to Veterans at the Southern Arizona Veteran's Hospital. She currently facilitates the adult aural rehabilitation program, Living Well with Hearing Loss, provided at the University of Arizona and is eager to share this program.

**Chinese Music Appreciation**

**Subject Area:** Arts/Culture

**Fridays:** 6 Sessions 1:30 PM - 3:30 PM  **Start:** Fri 1/25/19  **End:** Fri 3/1/19

**Tucson Place:** Palo Verde Room

**Course Description**
This class will be led by a group of Chinese musicians from the Confucius Institute at the University of Arizona. They will introduce famous Chinese music pieces through live performances, and recordings. Demonstrations of different Chinese instruments will be provided. Participants will be able to appreciate Chinese music through direct interactions with these outstanding Chinese musicians and by touching music instruments to experience different sound effects. The culture background of each music piece and its health benefit in Chinese philosophy will be discussed.

**Instructor:** Dr. Zhao Chen

Dr. Zhao Chen is director of the Confucius Institute at the University of Arizona. She is Professor of Epidemiology and director of the Division of Epidemiology and Biostatistics at the Mel and Enid Zuckerman College of Public Health (MEZCOPH). She is an affiliated faculty member of the School of Anthropology and a faculty member of the Arizona Center on Aging, Bioscience Institute and Arizona Cancer Center. Chen has a Bachelor of Science degree in Biology from Beijing Normal University, China and a Master’s degree in Physical Anthropology from the Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, also in Beijing. In mid-1990s, Chen received a PhD degree in Anthropology with a minor in Nutritional Science, and a Master of Public Heath degree, both from the University of Arizona. She received extensive training in epidemiology during her postdoctoral work facilitated by a National Institute of Health (NIH) career development award.

Dr. Chen’s research has focused on the epidemiology of genetic and environmental risk factors of complex chronic diseases, including osteoporosis, sarcopenia, anemia, cancer and obesity in aging and minority populations. She directs the UA’s Healthy Aging Lab, which has been supported by multimillion dollar research funding from the NIH, the Department of Defense and private foundations. She is one of the leading researchers of the Nationwide Women’s Health Initiative longitudinal study. Chen has collaborated with researchers in China on body composition research in minority populations, including the Tibetan people. She has been invited to hold body composition workshops and give keynote speeches at national and international conferences in China.
Andrew Jackson, Indians and the First Wild West

Subject Area: History/Current Events

Fridays: 8 Sessions 1:30 PM - 3:30 PM  Start: Fri 2/1/19  End: Fri 3/22/19
Tucson Place: Saguaro Room

Course Description
The tumultuous life of Andrew Jackson parallels the Indians’ fight for survival: Cherokee, Chickasaw, and Creek attacks, treaties and assimilation. Duels, land deals, Jackson's controversial marriage, Spanish spies, black gold (slavery), yellow gold, and how the first Southwest was lost and won. Jackson in the White House and the infamous Indian Removal and Trail of Tears. Guest speaker for session on Battle of New Orleans - Howard Kittell, CEO of Andrew Jackson's Hermitage.

Instructor: Elise Moore

Elise Moore is a teacher and international inspirational speaker with a personal passion for history. Elise and her husband David live in Nashville Tennessee and have wintered in Tucson since 2000.

Independent Redistricting - What Is It and Why Does It Matter?

Subject Area: History/Current Events

Fridays: Single Session 11:15 AM - 1:15 PM  Start: Fri 2/8/19
Tucson Place: Ocotillo Room

Course Description
The drawing of voting districts is a fundamental building block in our democracy and is usually conducted by self-interested politicians from the majority party who are primarily interested in preserving power. There is a better way and this course will explore an important reform, independent redistricting, and how it can be effective in curtailing gerrymandering. We'll go in-depth into Arizona's approach as well as discuss the status of other states' efforts to implement it. Become more informed and engaged on a topic that affects each and every one of us--and see if it's something you want to volunteer to do in 2021 when the next independent commission in Arizona will be empaneled.

Instructor: Colleen Mathis

As a registered Independent from Pima County, Colleen Coyle Mathis volunteered to serve and was unanimously chosen as chair of the Arizona Independent Redistricting Commission by the four appointed commissioners in 2011. She will remain in this role until the next chair is selected in 2021 and has shared her experience with other states seeking to adopt independent redistricting as well as at numerous conferences and forums. Colleen earned a master’s degree in environmental management from Yale University and a bachelor’s degree in economics from the University of Illinois. She is a market development engineer at Caterpillar, an affiliated associate at the Institute for Quantitative Social Sciences at Harvard University and principal at Willet Creek Consulting, LLC, specializing in nonprofit management, communications and business development.
Recent Decisions of the United States Supreme Court

**Subject Area:** History/Current Events

**Fridays:** 6 Sessions 11:15 AM - 1:15 PM  **Start:** Fri 2/15/19  **End:** Fri 3/22/19

**Tucson Place:** Ocotillo Room

**Course Description**
This Study Group will consider the most significant and controversial decisions of the United States Supreme Court during its most recently completed term (October 2017-June 2018). After a general discussion of the history, role, and powers of the Court, we will read and discuss cases dealing with the following matters: voting rights, separation of powers, federalism, labor unions, rights of consumers and employees vs. sellers and employers, and the First Amendment (freedom of religion and freedom of speech). Discussion of these matters will provide us with the opportunity to think about the current and future position and direction of the Court as a legal and political institution in the American constitutional scheme.

**Instructor:** Martin Rogoff

Martin Rogoff is Professor of Law Emeritus at the University of Maine School of Law. His primary teaching and research specialties were comparative constitutional law and international law. He has also taught and written in the areas of European law, French law, legal history, and conflict of laws. His law degree is from the Yale Law School and he holds an Honorary Doctorate in law from a French university. For many years he taught and lectured at law school in France and Italy. He has led several OLLI classes and study groups on legal and political subjects in the past few years at OLLI's founding institution (the University of Southern Maine), including Recent Decisions of the United States Supreme Court, Law and Literature, and Alexis de Tocqueville's "Democracy in America."

Understanding Pancreatic Cancer and Early Clinical Trials

**Subject Area:** Science/Math

**Fridays:** 2 Sessions 11:15 AM - 1:15 PM  **Start:** Fri 2/15/19  **End:** Fri 2/22/19

**Tucson Place:** Saguaro Room

**Course Description**
1) Pancreatic cancer:

A. Understanding the pathophysiology of pancreatic cancer.

B. Genetics and pancreatic cancer.

C. Current treatments in pancreatic cancer.

D. Future directions in the treatment of pancreatic cancer.

2) Early Clinical Trials in Oncology:

A. Understanding clinical trials in general.
B. Knowing the structure of phase I trials.
C. Understanding the methods and analysis in phase I trials.
D. Examples of phase I trials and future directions.

Instructor: Hani Babiker

Assistant Professor of Medicine

Associate Director of Phase I Program, Clinical Assistant Professor, TGen Hani M. Babiker, MD, is an Assistant Professor of Medicine and the Associate Director of the Phase I Program at the University of Arizona Cancer Center and a Clinical Assistant Professor in the Clinical Translational Research Division at TGen. He is board-certified in Medical Oncology, Hematology, Internal Medicine, and Geriatrics and Gerontology. His research interests are in new drug development and in the treatment of gastrointestinal cancers with an emphasis on pancreatic, cholangiocarcinoma, and colon cancers. He also conducts early clinical trials in prostate cancer. He completed a drug development scholarship at the Virginia G Piper Cancer Center Clinical Trials/HonorHealth Research Institute in Scottsdale where he served as the principal investigator and sub-investigator in many early clinical trials in solid tumors. He also has an interest both in developing new biomarkers and targeted therapies in pancreatic cancer.

He earned his M.D. with High Honors from Univerzita Komenskeho (Slovak Republic), and completed a residency in Internal Medicine and a fellowship in Geriatrics and Gerontology at Weill Cornell Medical College, New York Presbyterian Hospital (Queens and New York). Dr Babiker was an instructor in medicine at the Mayo Clinic College of Medicine in Phoenix. He also completed a Hematology and Medical Oncology fellowship at the University of Arizona where he also served as Chief Fellow. Dr Babiker is a member of the American Society of Clinical Oncology, American Association for Cancer Research, and the American College of Physicians. He has authored several abstracts and peer review manuscripts and has a passion for teaching and mentoring students and trainees.

RESEARCH INTERESTS:
Drug development, Pancreatic cancer, GI malignancies, Prostate cancer-early clinical trials

DEGREES
MD: Univerzita Komenskeho, Slovakia

HONORS AND AWARDS
Graduated with High Honors, Univerzita Komenskeho, State Health Registry of Iowa (Cancer) and SEER Certification of Appreciation, Chief Fellow, Division of Hematology & Oncology, University of Arizona, Millennium Scientific and Professional Development Grant Awardee, Honor-Health Research Institute Investigator Grant, Drug Development Scholar, Virginia G Piper Cancer Center Clinical Trials/HonorHelath Research Institute & TGen

RESIDENCY
Weill Cornell Medical College, New York Presbyterian Hospital

FELLOWSHIP
The Hidden Gems of Tucson Restaurants

Subject Area: Arizona History/Culture

Fridays: 6 Sessions 1:30 PM - 3:30 PM  Start: Fri 3/8/19  End: Fri 4/12/19
Tucson Place: Ocotillo Room

Course Description
In the first session we will talk about what makes a restaurant worth visiting as well as how the inner workings of a restaurant can make or break your dining experience. Class discussion will focus on new, fresh, exotic, fun or just great dining experiences. We will concentrate on smaller restaurants that are not large chains. For subsequent weeks, we will break into groups and volunteers will go out and eat at some new and hidden gems and present a review to the class. There will be opportunities for several people to review the same restaurant for comparison and class discussion. Sorry, but the cost of eating out will not be reimbursed by OLLI.

Instructor: Rob Getlan

Rob Getlan was a pastry chef for 5 years in NYC many, many years ago. His restaurant experience has given him insight into the behind the scenes workings of what makes a good restaurant tick.

Energy and Environmental Policy Discussion

Subject Area: History/Current Events, Science/Math

Fridays: Single Session 11:15 AM - 1:15 PM  Start: Fri 3/15/19
Tucson Place: Saguaro Room

Course Description
A focused presentation and discussion on current energy and environmental policy topics such as: Climate Change, Renewables vs. Fossil and Nuclear Power; and various Transportation issues such as the Renewable Fuel Standard, Fuel Efficiency Standard, and Electric Cars.

Instructor: Michael Durham

Dr. Michael D. Durham Ph.D., MBA

B.S. Aerospace Engineering, Pennsylvania State University, 1971
M.E. Environmental Engineering, University of Florida, 1975
Ph.D. Environmental Engineering, University of Florida, 1978
M.B.A. University of Denver, 1997
Dr. Michael Durham is serial entrepreneur, Founder of six on-going technology companies, and a recognized leader in Energy and Environmental Policy. Dr. Durham has been involved in the measurement and control of emissions from the coal-fired power industry for over 40 years. He has presented and published over 200 technical papers and has been awarded 25 patents.

**Our Universe as We Know It Today**

**Subject Area:** Science/Math  
**Fridays:** 4 Sessions 11:15 AM - 1:15 PM  
**Start:** Fri 3/22/19  **End:** Fri 4/12/19  
**Tucson Place:** Saguaro Room

**Course Description**
This is the story of our Big Bang universe as we currently understand it --- presented for laymen as a sort of conceptual flowchart. At a youthful 13.8 billion years old and still expanding, it is a beautiful astounding universe full of such oddities as black holes, neutron stars, dark matter, etc. We’ll briefly discuss the common-sense-defying 20th century developments of Special Relativity, General Relativity, Quantum Mechanics, and the Standard Model of Particle Physics --- with “easy”, but weird conceptual examples of each. Then we’ll use these four developments as tools to trace the universe through various stages, with particular emphasis on two stages: (1) early-on “Inflation”, when space apparently expanded crazily faster than the speed of light, and (2) the later Cosmic Microwave Background, from which we have learned much precise information about our universe. We’ll also discuss questions, alternatives, difficulties, and the possible extension into a “Multiverse”. It should be fun.

**Instructor:** Charles Buchanan

Charles Buchanan has a BS from Reed College and a Ph.D. in experimental high energy particle physics from Stanford University. He was Professor of Physics at UCLA for 41 years, working at SLAC (Stanford), FermiLab (Illinois), CERN (Switzerland) and on a rare collaborative project between the USSR and UCLA in 1971. His specialty is the physics of electron-positron collisions. His continuing interest is in communicating frontier modern physics in laymen’s terms. He also has interests in local Tucson and educational activities.

**History of the Container: It Made China Supplier to the World**

**Subject Area:** History/Current Events  
**Fridays:** 2 Sessions 9:00 AM - 11:00 AM  
**Start:** Fri 3/29/19  **End:** Fri 4/5/19  
**Tucson Place:** Saguaro Room

**Course Description**
Containerization has transformed the global shipping industry, causing fundamental changes in global trade costs, volume, and patterns, inventory management, supplier patterns, and size of national economies. Before the 1950’s, shipping of mixed materials (i.e., other than bulk materials, such as grain, oil, etc.) was extremely inefficient. Ships were loaded by hand (e.g., men carrying bags of coffee, or maneuvering wooden barrels, piles of lumber by hand or forklift). Cargo was mixed in the same compartment of a ship; loads would shift in transit, causing damage. More than half of total shipping time was spent in ports, typically 5/10 days in each. Shipping
cost for many materials was more than 10% of the material cost. This precluded most materials being sold nationally or internationally.

"Although many industries understood the theoretical advantages of containerization, it could not become practical until a container design could be standardized, so that it could be carried on any shipping line, railroad, or truck. It took 20 years, until 1970, to develop an international standard design (length, width, height, strength, and locking system). With universal acceptance of the container, and the resulting reduction of shipping cost, a global market has been created for goods and labor, thus allowing Chinese labor to compete with Kentucky and Genoa. The economy of China -- and other Third World countries -- has been transformed, making them suppliers to the world for innumerable goods. Time-to-market has been more than halved, and Just-In-Time supply has become common. The course will include many video clips.

Instructor: William Couchman

75 years old and not retired yet! Bachelor of Engineering from Yale University with an MBA from Carnegie-Mellon University. Mr. Couchman worked 33 years in management with the Ford Motor Company. Mr. Couchman served as an Adjunct Instructor for Northwestern University, a 13-year tax pro and Master Tax Advisor for BlockAdvisors (former H&R Block Premium) and a 9-year Enrolled Agent ("CPA for taxes"). He instructed for H&R Block for 7 years.

The Panama Canal - The Complicated History of a Mechanical Marvel

**Subject Area:** History/Current Events

**Fridays:** 2 Sessions 11:15 AM - 1:15 PM  **Start:** Fri 3/29/19  **End:** Fri 4/5/19

**Tucson Place:** Ocotillo Room

**Course Description**
The history of the Panama Canal is fascinating. The creation of the country of Panama was basically for the purpose of building a canal and the US's heavy handed land grab created a marvel of engineering there is a great story here. Pictures and video from a recent trip to the canal, enhance the story of man using gravity and willpower to push from the Atlantic to the Pacific.

Instructor: Rob Getlan

Rob Getlan is an experienced SGL who traversed the Panama Canal in May 2018 and has been enthralled with it ever since.
Marcus Aurelius: Past Present & You!

**Subject Area:** History/Current Events, Literature/Writing/Language

**Fridays:** 3 Sessions 1:30 PM - 3:30 PM  
**Start:** Fri 3/29/19  
**End:** Fri 4/12/19  
**Tucson Place:** Palo Verde Room

**Course Description**
Incorporating the 'common sense' wisdom and sage advice of ancient Rome's Marcus Aurelius (CE 121-180) into understanding today's challenges and provocations upon retirement. Marcus Aurelius was considered one of the last of the Good Emperors of mighty Rome. He also was a Stoic philosopher whose thoughts and ideas still resonate today and are written about in thousands of books. This study group will invite your own opinions and group discussions.

Instructor: Nancy Primmer

Retired

45 Years in the work force as administrator, lecturer, and instructor.

* ADMINISTRATOR 35 years for office of Dr. P.M. Primmer, DDS, Lt. Col. USAFR
* EDUCATION COORDINATOR/American Red Cross Services to the U.S. Armed Forces
* LEADER/Deployment on local, regional, & national disasters for American Red Cross.
* INSTRUCTOR/Disaster Service courses for American Red Cross.
* SPOKESPERSON/MEP (Military Enlistee Processing) for American Red Cross
* MEMBER: American Red Cross, Toastmasters International, Military Officers Association of America (MOAA), Tucson Chapter International Honor Society in Education KAPPA DELTA PI, Chaired numerous fundraisers.

*Initiated youth projects to honor our 'Nation's Heroes'/Service members of our U.S. Armed Forces.

Following the Rogue Theatre 5 Season Wrap Up Class

**Subject Area:** Arts/Culture

**Fridays: Single Session** 1:30 PM - 3:30 PM  
**Start:** Fri 3/29/19

**Tucson Place:** Saguaro Room

**Course Description**
In the Fall class, we discussed the Rogue Theatre's current season of plays. This class will take a final look at this season's productions with both the artistic and managing directors. This is an opportunity to discuss your thoughts and questions after seeing most productions, and to get a preview of the 2018-2019 season.
Instructor: Peter Hirshman

Peter Hirshman worked previously at the Lutheran Immigration and Refugee Resettlement Agency in Tucson. He is currently a volunteer with the Karnes Pro Bono Project, and the Florence Project, both of which are pro bono legal assistance organizations that serve refugees and asylum seekers in America. Peter volunteered a second time in May 2017 at the Karnes family detention center in Texas, helping families, women with children, with the asylum application process.