

## WINTER/SPRING 2023 CLASSES INSTITUTE FOR LEARNING IN RETIREMENT

### ***Exciting Interactive Courses for Curious People at SaddleBrooke***

**ILR Covid-19 Precautions:** *the ILR is adopting the same guidelines that both HOAs use. Masks are recommended but not required unless the instructor mandates masks. If masks are mandatory for a course, that is noted in the course description.*

### **23-101 STATE OF THE ART MEDICAL INNOVATIONS—GUIDING THE FUTURE OF HEALTHCARE (NEW)**

Ken Marich, Mondays, 10:00 am to 12 noon  
Sonoran Room: January 9, 16, 23, 30, February 6

Advanced technologies that are being developed in medicine hold promise to revolutionize our healthcare. Each medical topic will be presented by specialists in their scientific fields. Subjects will include Session 1: Noninvasive Surgery Using Focused Ultrasound (Ken Marich, Biophysicist); Session 2: The Role of Nanotechnology in Medicine (Dr. Lockwood Carlson, Physicist); Session 3: The Role of MRI-guided Radiation Therapy for Patients with Cancer (Dr. Ed Barnes, Physicist and Will Wells Medical Technology Executive); Session 4: Clinical Trials to Improve Cancer Therapy (Dr. Charles Woodhouse, Oncologist); Session 5: Advancements in the Use of Endoscopy in Gastroenterology (Dr. Loyal Tillotson, Gastroenterologist).

### **23-102 MINERALS AND GEMS-- NATURE'S TREASURES (UPDATED REPEAT)**

Harlan Clare, Tuesdays, 8 am to 10 am  
Sonoran Room: January 10, 17, 24, 31, February 7, 14

Minerals and gems can be beautiful, but did you know that many of the products you use today come from common minerals? Come join us and learn about common, and not so common, minerals. You will participate in hands-on activities and demonstrations, while learning how and why minerals are different and how they are used. Find out how minerals can be altered to enhance their value. All these topics will increase your appreciation of specimens while our class attends the Tucson Gem, Mineral, and Fossil Showcase, which is the largest of its kind in the world. Participants attending the tour will be required to sign a waiver.

### **23-103 SOUTH AMERICAN WRITINGS (NEW)**

Linda Griffin, Tuesdays, 10:30 am to 12:30 pm  
Sonoran Room: January 10, 17, 24, 31

Few Americans know much about South American writers. In this course we will look at a novel, three short stories, and some poetry from the South American countries of Brazil, Peru, Venezuela, Argentina, and Chile. We will examine how their works are different from American works in terms of topics, style of writing, etc. Our goal is a greater appreciation of fine writings from our South American neighbors. Participants will purchase two inexpensive books: *Dom*

*Casmurro* by Machado de Assis (Helen Caldwell, translator; published by Farrar, Straus, and Giroux, 2009—used paperback about \$7 from Amazon), and *Neruda and Vallejo: Selected Poems* (edited by Robert Bly, published by Beacon Press, 1971—used paperback about \$7 from Amazon).

### **23-103A THE SUPREME COURT'S 2021 TERM: A REMARKABLE SHIFT IN CONSTITUTIONAL ANALYSIS (FREE LECTURE)**

Mel Durchslag: Tuesday, 1:30 pm to 4:30 pm  
Mountainview East Ballroom: January 10

This is a single-session free lecture. Registration is requested so that we will know how many attendees to expect. The lecture and discussion will focus on three cases: (1) *Dobbs v. Jackson Women's Health Organization* (the Abortion Case); (2) *New York State Rifle and Pistol Assn. v. Bruen* (the 2<sup>nd</sup> Amendment Case); and (3) *West Virginia v. E.P.A.* (the Clean Air Utilities Case). The lecture will focus, not on the results, which are more or less widely known, but, more consequentially, on the analysis the Court's majority used to reach those results. Finally, the lecture will conclude with some observations on the impact of these cases on the "legitimacy" question.

### **23-104 THE GENIUS OF MOLIÈRE: FRANCE'S GREAT COMIC PLAYWRIGHT (REPEAT)**

David Stegink, Wednesdays, 10:00 am to 12 noon  
Cactus Room: January 11, 18, 25, February 1, 8

Through a reading of several plays of the great 17<sup>th</sup> Century playwright Molière, excerpts from several DVDs, and class discussion, participants will gain an understanding and appreciation of the nature and genius of Molière's comic vision and dramatic achievements. The text for the course will be "*Molière, Volume II*", Library of America (hardbound), 2021, translated by Richard Wilbur.

Session 1 will introduce Molière. We will watch the DVD, "Bicycling with Molière" (on the subject and theme of "The Misanthrope"). For Session 2, read "The Misanthrope". There will be class discussion of "The Misanthrope" and "Bicycling with Molière". For Session 3, read "Tartuffe". In class we will watch and discuss the VHS of "Tartuffe". Session 4: Read "The Learned Ladies". In Class we will discuss "Tartuffe" and "The Learned Ladies". Session 5: **SURPRISE AND BONUS** (DVD).

### **23-105 INTRODUCTION TO HARMONICA (NEW)**

Dale Boschke, Wednesdays, 1:30 to 3:00 pm  
Cactus Room: January 11, 18, 25, February 1, 8, 15

Introduction to Harmonica is for those interested in learning the fundamentals of playing harmonica, even if you know little or nothing about music. The class will teach the foundation of the harmonica, how to play some basic songs, and provide an introduction to Blues harmonica. Discussions will involve types of harmonicas, style of play, and various harmonica players and

their music. The instructor has been playing harmonica for over 30 years and has 13 years of experience playing with the South End Blues Band in Milwaukee, WI. Students must provide a 10-hole diatonic harmonica in the Key of C. A suggested brand of harmonica would be Hohner, which could be obtained at any music store or on-line such as Amazon.

### **23-106 WORLD WAR II ECONOMICS AND PRODUCTION (NEW)**

Mark Schwartz, Thursdays, 10:00 am to 12 noon  
Sonoran Room: January 12, 19, 26, February 2, 9, 16

This course investigates the hidden story of World War II--how the United States powered the Allied drive to victory as Roosevelt's "arsenal of democracy". It first examines the competing economic policies and production-based actions pursued by American and Nazi Germany from the 1930's—to build their war machines—through the end of World War II and the Axis defeat (Britain and Japan are also profiled in passing). Next, the course probes the production strategies of American and Germany, revealing how capitalism and the American worker essentially won the war from wholly within the boundaries of the 48 states. Production case studies are also included: Ford's Willow Run B-24 bomber production and Henry Kaiser's Liberty Ship works.

### **23-107 FAMOUS WOMEN IN AVIATION (NEW)**

Chuck Stump, Fridays, 10 am to 12 noon  
Cactus Room: January 13, 20, 27, February 3, 10

Aviation history is full of heroes, inventors, explorers, and challengers, and mostly men. While most people can identify four or five women who have been a part of aviation history, few realize how many there really are. This course will explore and delve into the little recognized world of famous women who have made major contributions to aviation history. These women are a significant part of the heroes, inventors, explorers, and challengers who have contributed to the amazing world of aviation. Prior to the class, see how many famous women you can identify, and the role or roles they played. NO FAIR googling! Just use your own base of knowledge!

### **23-108 POWERFUL WOMEN IN HISTORY (REPEAT)**

Ann Kuperberg, Tuesdays, 9 am to 11 am  
Coyote Room North in HOA1: January 17, 24, 31, February 7, 14

Throughout history, there have been powerful women either on a throne or behind it. How did they get that power? What effect did they have? Did they make changes for the better? How are they remembered? This course will discuss Cleopatra, Queen Elizabeth I, Catherine the Great, Margaret Thatcher, Indira Gandhi, Golda Meir, Eleanor Roosevelt, Eva Peron and others chosen for their role in government and social causes. Some DVDs will be used to enhance the topic.

## **23-109 DISCRIMINATION: AMERICAN HISTORY, LAW, AND ETHICS (NEW)**

Paul Frederickson, Tuesdays, 10:30 am to 12:30 pm  
Sonoran Room: February 7, 14, 21, 28, March 7, 14

This course will review the long history of discrimination in America. It will consider the ethics for discerning unjust discrimination and examine the case law and statutory law that has evolved to combat discrimination. The focus will be on race and gender discrimination. Other categories, such as religious and disability discrimination will also be covered. Topics will include discrimination in employment, education, athletics, property, voting, marriage, and access to private clubs and business services. Controversial topics such as affirmative action, sexual harassment, and LGBTQ discrimination will also be covered. The course will rely on the disciplines of history, law, and ethics to build appreciation and understanding for our societal responses to discrimination in America.

## **23-109A THIS IS YOUR BRAIN ON MUSIC**

Susan Kravitz  
February 8, 2023 (free one-time lecture)  
Mountainview Ballroom East  
Time: 7 to 8:30 pm

Susan Kravitz has been a popular Institute for Learning in Retirement (ILR) instructor for eight years. She combines her musical ability (singing, guitar, piano) with her background in behavioral health to create courses that deepen our understanding of how the brain responds to music. This free lecture, open to the entire SaddleBrooke Community, combines brain science with the art of music, exploring how advances in neuroscience enlighten us as to how and why music can enrich our lives in so many ways. We are requesting ILR members to register for this free lecture on the ILR website so that we get an idea of the number of attendees.

## **23-110 UNDERSTANDING ASIA: CHINA AND ITS NEIGHBORS (NEW)**

Boyd Bosma, Mondays, 10:00 am to 12 noon  
Sonoran Room: February 13, 20, 27, March 6, 13, 27 (There is no class on March 20)

The countries of Asia have a distinct variety that most Americans have had little opportunity to experience. Asia is the largest continent by far, covering almost a third of the land area on Earth, and with nearly five billion people out of nearly eight billion in the world. These people inhabit 49 highly interesting and diverse countries and speak more than 2,300 distinct languages. This course will provide an understanding of the variety, beauty, and diversity of the countries and peoples of Asia, along with awareness of the complicated international relations of those countries with China, our largest competitor, opponent, and trading partner.

Dr. Boyd Bosma, the instructor, has had the opportunity to visit 32 of those countries and will provide a variety of perspectives on their current problems, systems, and accomplishments. Asia is no longer just an alien and exotic place. Because of modern transportation and communications, Asia has become our new next-door neighbor and its future is linked to ours, just as ours is linked to it.

## 23-111 MINING HISTORY AND FAMILY LIFE (NEW)

David Cook and Peggy Anne Duffy, Mondays, 1 pm to 3 pm

Sonoran Room: February 13, 20, 27, March 6, 13, 27 (There is no class on March 20)

For all of our adult lives, Peggy Anne and I have lived, worked, and raised families in mining camps and mining towns all over the world. For this class we will not only cover the interesting history of the mines, many of which are no more, but also, we will relive the varied and unusual activities outside the mine itself. We'll cover family, jobs and travel into areas which provide a snapshot into life outside cities and suburbs, providing a different perspective on the American West and Indonesia.

## 23-112 HISTORY OF ENGLISH POETRY (NEW)

Randy Greene, Fridays, 10 am to 12 noon

Cactus Room: February 17, 24, March 10, 17, 24, 31 (No class on March 3<sup>rd</sup>)

This course is designed to give students an overview of the history of English poetry from its origins in Old English to the modern world. The outstanding characteristics and representative poets from each era will be discussed. For those students who took Introduction to Poetry, the Vendler text (*Poets, Poems and Poetry*, second edition) has most of the poems we will discuss. For those who don't have the book, I recommend any comprehensive anthology of English poetry although the Vendler book is available inexpensively (used) and has lots of valuable discussion.

## 23-113 EVERYTHING YOU NEED TO KNOW ABOUT WATER QUALITY (UPDATED REPEAT)

Bruce Hale, Wednesdays, 10 am to 12 noon

Cactus Room: February 22, March 1, 8, 15, 22, 29

Underlying questions of whether there is enough water quantity to sustain the American Southwest are questions about the quality of our present and potential water resources. This course tackles these questions, and more.

- What are common water constituents and when are these deemed contaminants?
- What are primary uses for water and what quality specifications are pertinent to each?
- We need to learn the facts about water quality and whether it meets use specifications, so how is water quality tested?
- What regulations protect U.S. water quality, whether in the environment or our domestic/potable water supplies? How are water quality standards set? How do regulatory risk assessments differ from personal assessments of risk?
- When new water supply sources are acquired, what quality constraints affect how they can be used?
- How can water be treated, to improve its quality and make it suitable for any particular use?

The final class session(s) dive deeper into specific cases, illustrating the above topics re: environmental water and domestic water supply. This course is a good background for the follow-up course highlighting water supply resources, policy, infrastructure, and management--topics of importance to all Arizona residents.

## **23-114 GEOLOGY OF ARIZONA LANDSCAPES (REPEAT)**

Karen Gray, Wednesdays, 1:30 pm to 3:30 pm  
Cactus Room, February 22, March 1, 8, 15, 22, 29

This class will examine the three different geologic regions of Arizona, and then discuss the geology of five areas in detail. The areas are the Catalina Mountains, Tucson Mountains, the Grand Canyon, Sedona, and northern Arizona, including several of our beautiful National Parks. There will be three optional field trips: 1) Catalina State Park about 2 1/2 hrs; 2) Catalina Mountains from the base to the top (an all-day car trip with eight stops); 3) Tucson Mountains which includes four short hikes (some with elevation) to examine features of the volcanic range. This will be an all-day excursion. The dates and times for the field trips will be determined by class consensus. ***Each participant is required to sign a waiver for each of the field trips.***

## **23-115 IMPRESSIONISTS PART 2 (REPEAT)**

Laurie Brussel, Thursdays, 10:00 am to 12 noon  
Sonoran Room: February 23, March 2, 9, 16, 30, April 6 (no class March 23)  
*Masks are required in this course.*

In Part I of the Impressionists, we delved into the beginning and development of Impressionism. We were introduced to artists such as Manet, Renoir, Caillebotte, Morisot, Pissarro, Sisley and Cezanne. In Part 2 we will begin by reviewing Part 1 for those students who didn't attend those classes. Through the expertise of Resident Artist Laurie Brussel and a renowned Art Historian on video we will again meet Degas, learn about the artist Gustave Caillebott and his well-known street scenes, Mary Cassatt, meet Paul Gaugin, and learn more about the life of Vincent Van Gogh. We will also be introduced to the character Toulouse-Lautrec. Lastly, we will learn about the movement's eventual waning as the artists aged and became more successful. Remember, you did not have to attend Part 1 to attend Part 2.