

Registration starts ONLINE only Wed, January 6. We are excited to present the following classes on Zoom. Save these pages...there won't be any catalogs!

Please see our website (grandlearning.org) for information about registration, using Zoom, and Instructor biographies. To register for classes, visit the Grand Learning website and click **Login/Register** to access your account or create an account. If you are a returning customer and forgot your password, call Grand Learning to reset your password - ***Please do not create another account.***

Registration for all classes will close one to two days before class begins, and the Zoom link will be sent to your email. **Please call the GL office BEFORE day of class if you did not receive the Zoom link.** Each person needs their own e-mail to register and attend classes. Sharing links with unpaid persons may result in removal from class. Thank you!



Registration: January 6 at 8:00 am online
Office Hours: M-F 8 am - 4 pm
Phone: 623-546-7470
Email: grandlearning@scgcam.com

SPRING 2021 **(in date order)**

CURRENT EVENTS ROUNDTABLE - PHIL AXELROD

Meets 16 times on Tuesday 1/12/2021 - 4/27/2021

8:00 AM - 9:30 AM OR

10:00 AM - 11:30 AM

FEE: \$25

Let's meet weekly to discuss the current events of the day. Be prepared to actively participate as we debate the pros and cons of the topics selected by the group. Each participant is encouraged to bring an item or topic currently in the public's eye. We are not limited to political items for discussion. At the beginning of each session, I will poll the group for topics. Once we have a complete list we will vote on all topics and the one garnering the most votes will be the first topic discussed at each meeting. Lively discussions will ensue, followed by resolutions. If you enjoy brisk and vigorous debate, this is the group for you.

GREEK GODS/GODDESSES AND MYTHS: AN

INTRODUCTION - RUTH CALLAHAN

Meets 5 times on Tuesday 1/12/2021 - 2/09/2021

2:00 PM - 3:30 PM

FEE \$25

This class is an introduction to many of the major deities and figures of Classical Greece and their myths.

THOMAS MORAN AND FAMILY - ALLEN REAMER

Meets 1 time on Friday 1/15/2021

9:00 AM - 11:00 AM

FEE \$10

Thomas Moran was one of the three major Rocky Mountain School of Art painters. He was not the only artist in the family. Two of his brothers, Edward and Peter, were also artists. One was a painter and the other a lithographer. In addition, his wife, Mary, was an etcher. She was so well regarded as an artist; she was elected to the Society of Painter-Etchers of New York. She was the only woman among the 65 original Fellows of the Royal Society of Painter-Etchers in London. We will first talk about the Rocky Mountain School of Art; what led up to this art style, what were artists saying with this style, and how they said it in their paintings. The bulk of the presentation will be spent discussing the intertwined and separate lives of these four artists and, most importantly, their art.

VICARIOUS TRAVELS:

IRELAND - THE EMERALD ISLE - TERRI DION/JOHN MENARD

Meets 1 time on Tuesday 1/19/2021

9:00 AM - 11:00 AM

FEE \$5

Vicarious Travels: Come Along for the Ride! We love to travel and we love to take pictures! So, Terri Dion (Travelinterri) and Grand Photos are collaborating to bring you "Vicarious Travels"; photographic adventures from around the world. Member/travelers from Grand Photos will share their photos and fun so we can "vicariously" enjoy their expensive exotic trips...

John Menard takes you on a spring-time photographic tour of the Emerald Isle. Views of green hillsides, spring blossoms, and coastal views are punctuated with castles, churches, and thatch-roofed cottages. Visit places you've heard about but may have never really seen: Blarney Castle, Cliffs of Moher, and Cobh are where the first 3 people to pass through Ellis Island started their journey across the Atlantic and the Titanic's last port of call. Join him vicariously!

GINGERTALKS: THE STORY OF THE MANHATTAN PROJECT - GINGER SWARTZ

Meets 1 time on Wednesday 1/20/2021

11:00 AM - 12:30 PM

FEE \$10

This 90-minute presentation will address the history and personalities of the U.S. World War II research effort into

developing a working atomic bomb. The Manhattan Project was created based on the fear that the German war machine had been working on an atomic bomb since the 1930s and that Adolf Hitler was poised to use the bomb in Europe. Later revelations indicated that this was perhaps not the case. We will look at the history of the project, briefly review the German effort to develop the bomb, and provide an overview of stories related to the political reality of what was reported at the time.

TAKING CARE OF YOUR CAR IN ARIZONA - MICHAEL ANDERSON

Meets 1 time on Wednesday 1/20/2021

2:00 PM - 3:30 PM FEE \$5

How often do you really need an oil change? Learn how proper maintenance, tips, and techniques can help you keep your car going for miles in the hot, dusty, Arizona climate. We'll cover the function of certain vehicle parts, what causes them to wear, and how fluid changes and routine maintenance can help to avoid costly repairs.

HOW TO NAVIGATE THROUGH MEDICARE - BRIAN KEEP

Meets 1 time on Thursday 1/21/2021

2:00 PM - 3:30 PM FEE \$5

The intent of this class is to help people understand how Medicare works. Defining what Part A B cover, how and when to take Part D?, what is the donut hole?, are questions many people have about Medicare. The class will explain what the difference is between a Medigap policy (Supplement) and a Part C (HMO, Medicare Advantage). The class will define what circumstances can help determine why you may pick one type of plan over another as well as one insurance company over another. Everyone's scenario is different whether they are currently in Medicare or entering into Medicare for the first time.

POINTILLISM AND LES NABIS - ALLEN REAMER

Meets 1 time on Friday 1/22/2021

9:00 AM - 11:00 AM FEE \$10

Some consider these two art styles sub-sets of Post-Impressionism. But, unlike Post-Impressionism where the unique styles of the famous four Post-Impressionists determined the Post-Impressionist movement, Pointillism and Les Nabis each had an underlying principle and paint application method. Also, Pointillism and Les Nabis had a core group of artists who followed both the style's principle and paint application. We will look at the founders and their followers, their lives and their art, and how each style was influenced by the Impressionists and by Gauguin.

UKULELE 101 ZOOM - JONI DEE

Meets 6 times on Monday 1/25/2021— 3/08/2021

9:00 AM - 10:30 AM FEE \$25

Ukulele 101 students will be introduced to the Ukulele, and its care; Ukulele chords, strums, and picking patterns. By the end of course students will be comfortable playing 3 to 4 chord songs in different genres.

SEX TRAFFICKING IN OUR AREA AND BEHIND YOUR SCREEN - NANCY ASH

Meets 1 time on Monday 1/25/2021

11:00 AM -12:30 PM FEE \$5

Did you know that sex trafficking is occurring inside fake massage parlors here in Sun City West, Sun City and Glendale where illicit sexual services are given? Elements of sex trafficking are also happening through technology in your home! This class will talk about sex trafficking, how it happens (especially through apps), why it happens and debunk some myths about prostitution. Help stop this crime and help the women through education awareness and action.

INVESTING AND FINANCIAL STRATEGIES 101 - PAM PRINE

Meets 1 time on Monday 1/25/2021

2:00 PM - 3:30 PM FEE \$5

Learn the basics about Stocks, Bonds, Mutual Funds and ETF's. During this presentation you will also take a self-assessment to discover Your Investor Profile to help you develop your ideal investment strategy.

ESTATE PLANNING DURING COVID - DAVID EASTMAN

Meets 3 times on Tuesday 1/26/2021— 2/09/2021

11:00 AM - 12:30 PM FEE \$15

Are Your Proper Documents In Place? With all the chaos in the world are all your affairs in order with your Estate Plan? Come listen to Estate Planning Attorney Dave Eastman speak on Estate Planning and what documents are imperative that you have at this time.

GINGERTALKS: THE STORY OF THE US NUCLEAR WEAPONS COMPLEX - GINGER SWARTZ

Meets 1 time on Wednesday 1/27/2021

11:00 AM - 12:30 PM FEE \$10

This 90-minute presentation provides a brief overview of the original U.S. nuclear weapons complex mission, its history, personalities and current status of the complex itself. The program is an historical overview from the nuclear weapons' complex beginning in the Manhattan Project to its current role as the National Security Administration (NSA) housed in the U.S. Department of Energy. This program is intended for informational purposes only and created for the average

person with no technical training. Presentation includes personal stories and perspectives based on the presenter's public experience in the nuclear waste element of the U.S. Weapons Complex.

HOME AUTOMATION FOR BEGINNERS - TONY SPATA

Meets 1 time on Wednesday 1/27/2021

2:00 PM - 3:30 PM FEE \$5

Who hasn't heard of "Siri" or "Alexa", and used them in some manner? Google Assistant? Nest? Ring? The list of companies and components to automate your home continues to rapidly expand. But what does it take to truly integrate these parts-and-pieces into a comprehensive system to control air-conditioning, lighting and more? This presentation will provide a (mostly) non-technical explanation of what is required to literally control everything "from the palm of your hand".

COLONIAL AMERICAN PAINTERS - ALLEN REAMER

Meets 1 time on Friday 1/29/2021

9:00 AM - 11:00 AM FEE \$10

Fredericksburg is rich in colonial and post-colonial history. It is depicted in its styled and folk architecture. This colonial era is also rich in painting. The painting and painters of this time, c.1630 to 1830, became passé and collectors and museums wanted European art. Not until the early 1930's did art historians and later collectors begin to recognize the richness of this time. In this talk we will discuss the education of the painters, how and why this education resulted in the style of their paintings. The Colonial Masters, their life and art will be discussed, along with the first family of American painting, plus other lesser known Colonial Painters.

SIMPLE BIBLE OVERVIEW AND Q & A - NANCY ASH

Meets 1 time on Monday 2/01/2021

11:00 AM - 1:00 PM FEE \$5

The Bible is a best selling book of all time. If you are curious about its overall story, please come, hear an overview and ask your questions! (This class is purely for info and not to proselytize.)

THE BEATLES: THE SOLO YEARS - VINNIE BRUNO

Meets 1 time on Monday 2/01/2021

2:00 PM - 4:00 PM FEE \$10

The lecture will continue in the footsteps of The Beatles story and focus on the highlights of the "solo" post-Beatles careers of John, Paul, George and Ringo. We will explore the aftermath of The Beatles legacy and how they established themselves as solo artists. Our journey will

also discuss their musical collaborations with each other on many of their solo projects. Coming full circle, we will explore their last collaborative project "The Beatles Anthology" released in the late 90's.

THE SIXTIES: THE BRITISH INVASION - VINNIE BRUNO

Meets 4 times on Wednesday 2/03/2021—2/24/2021

9:00 AM - 11:00 AM FEE \$25

This four-session course will focus on the phenomenon of the rise of the British pop groups and singers that were led by The Beatles who invaded our shores in the 60's. From pop groups: The Dave Clark 5 and Herman's Hermits to the psychedelic and progressive groups The Who, Pink Floyd, Cream to the unique harmonies of the Bee Gees and The Hollies to the blues inspired Rolling Stones, Manfred Mann and The Animals to the soul/pop of Dusty Springfield and Tom Jones. We will explore these artists and others as well as highlights from landmark albums that clearly defined the British pop renaissance era whose influence still endure five decades later.

GINGERTALKS: THE STORY OF DENVER'S ROCKY FLATS

NUCLEAR WEAPONS PLANT - GINGER SWARTZ

Meets 1 time on Wednesday 2/03/2021

2:00 PM - 3:30 PM FEE \$10

In 1951, the U.S. government purchased a nine-square-mile land reservation fifteen-miles northwest of Denver that would be designated as The Rocky Flats Nuclear Weapons Plant. Until 1990, plutonium for the manufacture of triggers for nuclear weapons was processed, purified, machined and prepared for assembly at the Rocky Flats site. This program will cover the history of the facility's development and use and the subsequent operational shut-down, decommissioning and dismantling of the controversial site. The presenter was appointed by the Governor of Colorado as the Executive Director of the Colorado Council on Rocky Flats and will share her experiences related to the plant's shutdown from the perspective of citizen involvement and stakeholder protests that occurred at the time.

GREAT DECISIONS 2021 U.S. FOREIGN POLICY - BONNIE SAUNDERS

Meets 8 times on Thursday 2/04/2021—3/25/2021

2:00 PM - 3:30 PM FEE \$25

Dr. Bonnie F. Saunders will once again lead discussions on eight U.S. foreign policy topics, starting with the first topic on the first week: Global Supply Chains and National Security, Persian Gulf Security Issues, Brexit and the European Union, Struggles over the Melting Arctic, China's Role in Africa, The Korean Peninsula, Roles of International Organizations in a Global Pandemic, and The End of Globalization. Come,

listen, think, ask questions, discuss, agree or disagree -- we always have civil discussions! Join Bonnie on Zoom for discussions of these topics. **The book will be available for \$20 before the class starts. After you register, you will be instructed as to how to get the book and pay for it.**

EGYPTIAN ART AND ARCHITECTURE - ALLEN REAMER

Meets 2 times on Friday 2/05/2021— 2/12/2021

9:00 AM - 11:00 AM FEE \$15

Egyptian Art and Architecture - People have long been fascinated with the temples, tombs and art of Egypt. This lecture will cover Egyptian art and architecture from the Old Kingdom to the Roman period. We will view and discuss major buildings built during the Old, Middle and New Kingdoms. The uniqueness and characteristics of Egyptian painting will be covered. Both relief sculpture and sculpture in -the-round will also be covered.

THE MOTOWN STORY - VINNIE BRUNO

Meets 1 time on Monday 2/08/2021

2:00 PM - 4:00 PM FEE \$10

Motown, established by Berry Gordy in 1960, has been described as the greatest pop music hit factory in recording history. We will explore how the "Motown Sound" was created and how it has become a worldwide phenomenon beloved by millions to this day. From the "hit machine" songwriting teams to the in-house studio band to the extraordinary roster of artists including Smokey Robinson The Miracles, The Supremes, The Four Tops, The Temptations, Stevie Wonder, Marvin Gaye and countless others.

GINGERTALKS: NUCLEAR WASTE 101 - GINGER SWARTZ

Meets 1 time on Wednesday 2/10/2021

2:00 PM - 3:30 PM FEE \$10

This 90-minute program offers a non-expert, to-the-point introduction to nuclear waste issues in the U.S. Topics addressed will include types and quantities of waste and sources and types of radioactive waste as well as an overview of the history, major legislation and current status of high-level and low-level waste management. We will also review various programs in which citizens have historically participated in nuclear waste decision-making and what types of citizen involvement programs exist in the nuclear waste world today. NOTE: This course is an overview only and will not focus on discussion of past or present politics related to nuclear waste.

LESSONS LEARNED: LIFE IN ASIA, MIDDLE EAST & BEYOND - WINNIE FRITZ

Meets 1 time on Thursday 2/11/2021

10:00 AM - 12:00 PM FEE \$10

From the U.S. Midwest to Asia, the Middle East, Africa and beyond, this nurse and healthcare exec (who also served in the U.S. Army Nurse Corps) shares lessons learned along the way as she lived and worked around the world. In her roles as researcher, educator, clinician, and executive, she has experienced the challenges and opportunities of many cultures. She has worked over 50 years to enhance the health and well-being of others...and to live out the message from her parents: "Go where there is no path and leave a trail." Come get up close personal observations of places you hear about in the news!!! Serious content...oh, yes, but also some laughter.

CHUCK BERRY: HAIL HAIL ROCK N' ROLL - VINNIE BRUNO

Meets 1 time on Tuesday 2/16/2021

9:00 AM - 11:00 AM FEE \$10

Without Chuck Berry we would not have rock n' roll as we know it - he was the greatest rock writer, one of the greatest guitarists and one of its greatest performers of all time. Elvis was the spark that fueled rock n' roll but Chuck Berry became its heartbeat. We will travel with Chuck from his early days in St. Louis to his extraordinary recordings at Chess Records to his off-stage exploits with the law and finally to his induction into the Rock n' roll Hall of Fame.

JOHN F. KENNEDY - KEN SORENSEN

Meets 1 time on Tuesday 2/16/2021

2:00 PM - 4:00 PM FEE \$10

As is true with all of us, our stories did not begin with our birth. They began with our parents and our grandparents and our ancestry. Come to find out about the personal side of the life of John F. Kennedy and his family. What was the impact of his father? How did the "unknown" daughter affect the family and the public? What about the "lost legacy" of the oldest Kennedy son? What effect has the frozen-in-time concept had on what we think of John F. Kennedy? How has the image of Camelot stuck in the minds of America? We'll explore all of this and more in an extensive look at this beloved leader in American history.

CITRUS TREE CARE - CAROL KOMASSA

Meets 1 time on Wednesday 2/17/2021

2:00 PM - 3:30 PM FEE \$10

Citrus trees usually do well in our low desert in Arizona, but there are several important growing needs for homeowners to know about in order to have good fruit and KEEP the tree

healthy. In this class we will learn about Citrus Varieties: Where to plant and the best time to do so. When is the best season to harvest? Citrus bugs/diseases. Citrus in containers? Pruning, fertilizing and watering – THE 3 main keys to success! Learn from Carol Komassa, a Certified Master Gardener, and her mistakes before she learned how to do it right!

PLANNING FOR WATER SUSTAINABILITY: SURPRISE - JEFF GIBBS

Meets 4 times on Thursday 2/18/2021 - 3/11/2021
11:00 AM - 12:30 PM FEE \$25
The year ahead – 2021 – will be a time of intense planning for a sustainable source of water for Surprise and other cities in the West Valley. During this period, the City is scheduled to work on updating its Water Resource Master Plan as well as prepare itself for the updating of its Comprehensive Plan for the City’s development. This course will enable Sun City Grand members and other interested parties to understand the issues in the updating of the Water Resource Master Plan to serve as the framework for the continued growth and development of Surprise and the surrounding area. The course will be delivered in four sessions – each descending from the general situation to the more specific and applied.

THE GOLDEN AGE OF ILLUSTRATION - ALLEN REAMER

Meets 1 time on Friday 2/19/2021
9:00 AM - 11:00 AM FEE \$10
This was a period of illustration excellence in magazines and books. This art work and the artists who produced it was made possible from the advances in technology which allowed for accurate and inexpensive art reproductions, plus the voracious demand by the public for this new graphic art. Artists included Howard Pyle, Charles Dana Gibson, N.C. Wyeth, and Maxfield Parrish.

BUILDING A STRONG SKELETON-A HOLISTIC APPROACH TO PREVENTION & MANAGEMENT OF OSTEOPOROSIS! - MARY DICARO

Meets 1 time on Friday 2/19/2021
2:00 PM - 4:00 PM FEE \$10
What if I told you that your bones are designed to remain strong throughout your life span? In this class, you will discover the reasons why we have a growing epidemic of bone thinning, frailty, and fractures in our country. Osteoporosis is a silent condition, one that unless understood and managed can lead to fractures, pain, a loss of independence, loss of quality of life, and weakness. I will approach the solution from a holistic and functional medicine perspective. This will include a discussion of causes, prevention, and reversal

strategies. Some of the topics that will be covered are nutrition and nutritional deficiencies, exercise, inflammation, toxins, and even the impact of stress. I will briefly discuss the use of the common drugs that are also used for this condition. This is a class every person will benefit from, regardless of age.

I'D RATHER DIE THAN TALK ABOUT LIFE INSURANCE - KIM DYER

Meets 1 time on Monday 2/22/2021
11:00 AM - 12:30 PM FEE \$5
Do you really need a life insurance? This class will review the different types of life insurance policies available and explain how to evaluate your current policy to see if it still meets your needs.

ANOTHER DATE WITH THE EVERLY BROTHERS - VINNIE BRUNO

Meets 1 time on Tuesday 2/23/2021
9:00 AM - 11:00 AM FEE \$10
The Everly Brothers were one of the most important early rock n' roll stars and are among the most influential rockers of any era. They stand alone as the greatest two-part harmony rock group that combined the best elements of country and pop music. We will journey with Phil and Don from their early days on their family radio show to their classic hits in the 50's and 60's into the touring years to their breakup and to their subsequent celebrated reunion. The Everly Brothers were among the first 10 artists inducted into the rock n' roll Hall of Fame in 1986.

GINGERTALKS: THE STORY OF THE YUCCA MOUNTAIN, NV NUCLEAR WASTE REPOSITORY - GINGER SWARTZ

Meets 1 time on Tuesday 2/23/2021
2:00 PM - 3:30 PM FEE \$10
In 1982, the U.S. Congress passed the Nuclear Waste Policy Act (NWPA). NWPA stipulated that a deep geologic repository for nuclear waste isolation and storage be created at two sites to be selected, one on each side of the country. Thirty-eight years and billions of research dollars later, the U.S. still has not opened a permanent nuclear waste repository site. This presentation uses historical information and images to focus on the history of research efforts following the NWPA designation and tells the political and cultural story of the selection of the Yucca Mountain repository site 100 miles N.E. of Las Vegas, NV.

TELLING YOUR LIFE STORY - HELEN SWAN

Meets 6 times on Wednesday 2/24/2021 - 3/31/2021
2:00 PM - 3:30 PM FEE \$30

In this class, students will learn different structures for both autobiographies and memoirs. Each week, writing tips for autobiography creation and refining your writing will be offered. Writing skills taught will include Beginnings and Endings, Show, Don't Tell, Description of Place and other helpful skills.

MICHELANGELO - ALLEN REAMER

Meets 2 times on Friday 2/26/2021—3/05/2021

9:00 AM - 11:00 AM FEE \$15

In this newly revised expanded talk about this Late High Renaissance master, we will follow Michelangelo's soap opera like life. We will discover why he said later in life that he felt he wasted his youth. We will discuss the Sistine Chapel in detail and learn how he expressed his feelings about having to paint these frescoes. We will also learn what authorities did to express their displeasure of his work. In addition, we will discuss, compare and contrast the three Davids, by three master sculptors, from three eras, in three art styles. This expanded lecture covers his life, his works of art and the historical context in which he worked.

GINGERTALKS: THE STORY OF BEAT GENERATION LITERARY ART AND AUTHORS - GINGER SWARTZ

Meets 1 time on Tuesday 3/02/2021

10:00 AM - 11:30 AM FEE \$10

An overview of the social and historical elements of the Beat Generation literary art movement circa 1950/1960. The Beat Generation was a precursor to the 1960 "Hippie" movement and is remembered as having left a lasting impact on American literary art, culture and politics after World War II. The literature and poetry of this era is known for a focus on creativity, drugs, rejection of anything "mainstream," unrestrained adventure and sexual freedom. This presentation will include a preliminary review of the three primary Beat writers: Allen Ginsburg, Jack Kerouac and William Burroughs. (These and other Beat authors will be addressed in future Literature as Fine Art presentations.)

EPIDEMICS, PANDEMICS, AND THE LAW - CHRIS TAYLOR

Meets 1 time on Tuesday 3/02/2021

2:00 PM - 4:00 PM FEE \$5

Throughout its history, America has been faced with epidemics and pandemics. We are now experiencing the Covid-19 pandemic, but health crises in the past have included fighting such diseases as yellow fever, small pox, the "Spanish" flu, and even the plague. With each challenge, laws have been passed on both the federal and state levels to

combat these health challenges and protect the public. This course will discuss epidemics and pandemics in America, as well as the laws written in their response.

HOMER'S ILIAD AND ODYSSEY: AN INTRODUCTION - RUTH CALLAHAN

Meets 4 times on Wednesday 3/03/2021—3/24/2021

9:00 AM - 10:30 AM FEE \$25

This class offers an overview of the basic stories of the Iliad and Odyssey, as Homer sang them.

GINGERTALKS: THE STORY OF POST-MODERN LITERARY ART & AUTHORS IN AMERICA - GINGER SWARTZ

Meets 1 time on Tuesday 3/09/2021

11:00 AM - 12:30 PM FEE \$10

The Postmodern literary movement (1945 to the present) has given America some of the most important books of the current and past century. In part, the "postmodern idea" is that of accepting the fact that everything has already been done and, therefore, nothing can be totally original. Authors in this genre are known for their rebelliousness and their constant attempts to test contemporary boundaries. This presentation will include a preliminary review of three important Postmodern writers: Kurt Vonnegut, Joseph Heller and Harper Lee. (These and other post-modernist authors will be addressed in future Literature as Fine Art presentations.)

THE METROPOLITAN MUSEUM OF ART - ALLEN REAMER

Meets 1 time on Friday 3/12/2021

9:00 AM - 11:00 AM FEE \$10

Museums have vast extensive collections of art from around the world. Rather than flying to these museums and spending hours walking, sit back in your chair as we view and discuss some of the art from New York's Metropolitan Museum of Art. The Metropolitan Museum of Art has over two million works of art covering 5,000 years of art from around the world. The artworks run from Egyptian to modern art. It contains European, American, Ancient Near East, Asia, Africa, Islamic, Greek, and Roman art.

COSMIC DNA - JACK ELLIOTT

Meets 3 times on Tuesday 3/16/2021—3/30/2021

9:00 AM - 10:30 AM FEE \$15

This course explores the developmental history of our understanding of the atom. Just as DNA is the fundamental code for all living things, the atom is the fundamental element of the universe. In this non-mathematical approach to understanding the atom we explore the contradictions of Newtonian physics and the science of quantum mechanics.

This course explores the particles that make up protons and neutrons and how electrons both act as waves and particles. Students should come away from this course with a better understanding of the fundamental components of matter.

GINGERTALKS: THE LITERARY ART OF BOB DYLAN: NOBEL LAUREATE - GINGER SWARTZ

Meets 1 time on Tuesday 3/16/2021

2:00 PM - 3:30 PM

FEE \$10

Since Bob Dylan was awarded the 2016 Nobel Prize for Literature, a debate has raged as to whether songwriting, as an art, can be defined as literature. The Swedish Academy declared that Dylan “created new poetic expressions within the great American song tradition.” The Academy further noted that their choice was warranted partly because Bob Dylan “is the object of a steady stream of secondary literature.” In addition to his long and varied musical history, Dylan has published “Tarantula”, a 1971 collection of his poetry and “Chronicles: Volume One”, his 2004 self-styled memoir. So – is songwriting as an art actually literature? And do Bob Dylan’s songs qualify as great literature? This program will explore the written research focused on these questions and will invite discussion about whether Dylan is qualified as a Nobel laureate.

EARLY CHINESE ART HISTORY - ALLEN REAMER

Meets 2 times on Friday 3/19/2021—3/26/2021

9:00 AM - 11:00 AM

FEE \$15

China has a long history with the shape and size of the country changing over time. Different cultures have ruled China with each culture bring their own values. These values have been expressed by Chinese artists as artists everywhere and at every time express the values of the culture around them. We will begin with Neolithic art and continue Shang, Zhou, Qin, Han, Sui, Tang, Song, and Yuan dynasties. You will see examples of jade, bronze, painting, lacquerware, sculpture, and pottery and learn how the art changed from dynasty to dynasty. We will also cover a brief history of each dynasty.

THE IMPORTANCE OF WATER AND THE CENTRAL ARIZONA PROJECT - CAP

Meets 1 time on Wednesday 3/24/2021

11:30 AM - 12:30 PM

FEE \$5

Central Arizona Project is a 336-mile long system which delivers Colorado River water to central and southern Arizona. Class attendees will learn about the history, operations and current issues related to CAP.

IS MY ESTATE PLAN IN ORDER? - MARY NYKAMP

Meets 3 times on Thursday 3/25/2021 - 4/08/2021

11:00 AM - 12:30 PM

FEE \$15

Do you have all of the necessary documents in place to allow someone to have access to necessary information and make medical and financial decisions for you if you become incapacitated? Will your assets pass at death as you intend? Will probate be required? Do I need a Trust? Mary A. Nykamp, an experienced attorney in the Sun City area, will answer these questions and more. This course will cover Last Wills and Testaments, dying without a Will in Arizona, the importance of asset entitlement, various Powers of Attorney and Trusts.

NAVIGATING IRA/ROTH IRA DISTRIBUTIONS AND RMD'S - KIM DYER

Meets 1 time on Friday 3/26/2021

2:00 PM - 3:30 PM

FEE \$5

This class will review the IRS regulations associated with IRA/Roth IRA/401k Distributions and Required Minimum Distributions (RMD's). We will clarify when you must begin your RMD's and discuss deadlines and penalties. You will learn the formula for calculating the annual distribution along with the tax implications. The 5-year Roth rules will be discussed along with guidelines for inheriting Spousal and Non-Spousal IRA's. Converting IRA's to ROTH IRA's will be addressed as well. We'll review the impact of the new SECURE ACT! Join us for this educational and enjoyable information packed presentation!

MEMORY TRAINING CLASS - LAURIE FOX

Meets 1 time on Tuesday 3/30/2021

2:00 PM - 4:00 PM

FEE \$5

The Memory Training Class is a fun, interactive class for people who want to enhance and keep their memory strong. There will be tips and tricks given for improving memory as well as a handout for notes to take away for continued practice at home. If you want to improve your memory, this is the class for you.

SELF-PUBLISHING YOUR MANUSCRIPT - GALE LEACH

Meets 1 time on Thursday 4/01/2021

2:00 PM - 3:30 PM

FEE \$10

This class will introduce you to the options available for self-publishing today. The publishing industry has changed radically over the past few years. It's easier than ever to go from a word-processed manuscript to a printed novel or digital ebook (or both), but the number of ways to do this have increased as well. This class will share the best and easiest

methods for both print and ebook creation, and you will watch as an actual manuscript is uploaded, formatted, and made available to readers. By the end of the class, you should be able to make a qualified decision regarding the direction your book will take. Please note: There is no right or wrong choice—only the best decision for you as an author.

GREEK ART AND ARCHITECTURE FOR TRAVELERS - ALLEN REAMER

Meets 1 time on Friday 4/02/2021

9:00 AM - 11:00 AM FEE \$10

Are you thinking about going to Greece? Are you wondering what to see? Are you wondering how to see what you are looking at? This lecture aims to increase your enjoyment and knowledge of looking at Greek art and architecture. We will discuss the styles of Greek pottery and sculpture so you know what you are looking at. We will cover the major Greek buildings and the names of their parts so you will know what to see. If you have been to Greece or are not planning to go, this lecture saves you the hassle of packing while increasing your knowledge and enjoyment of Greek art and architecture.

LED LIGHTING AND ELECTRONIC LIGHTING CONTROLS - TONY SPATA

Meets 1 time on Monday 4/05/2021

10:00 AM - 11:30 AM FEE \$5

Have you gone to Home Depot or Lowe's lately to buy a "60 Watt light bulb"? How about Best Buy that has multiple shelves devoted to not only lights that can change their color, but also controls for them that are either wireless or voice activated? Welcome to lighting and their controls in the 21st Century! LED's have rendered incandescent and compact fluorescent lamps obsolete. Electronic lighting controls are now capable of not only Off-and-On functions, but are fully automated for either pre-scheduled, voice or wireless operation. This class will present an in-depth examination of how to select appropriate LED lights, and the controls required to achieve their maximum benefit.

It's recommended (but not required) that you know the material in the Home Automation for Beginners Class.

HOW TO NAVIGATE THROUGH MEDICARE - BRIAN KEEP

Meets 1 time on Monday 4/05/2021

3:00 PM - 4:30 PM FEE \$5

The intent of this class is to help people understand how Medicare works. Defining what Part A B cover, how and when to take Part D?, what is the donut hole?, are questions

many people have about Medicare. The class will explain what the difference is between a Medigap policy (Supplement) and a Part C (HMO, Medicare Advantage). The class will define what circumstances can help determine why you may pick one type of plan over another as well as one insurance company over another. Everyone's scenario is different whether they are currently in Medicare or entering into Medicare for the first time.

GRIEF IN THESE "INTERESTING TIMES" - VICKI BARBOUR

Meets 1 time on Tuesday 4/06/2021

2:00 PM - 3:30 PM FEE \$5

Coronavirus came into town and turned our life upside down. We lost all that was normal and ordinary and we experience grief over all the losses. Like putting lipstick on a pig, you can't glam up grief. But by exploring what grief is, what causes it, how it is misunderstood, and how to relieve it, we can shed light on it and our hearts can be uplifted.

ARIZONA WEATHER AND CLIMATE, AND WHY - CHARLES SLIVINSKY

Meets 2 times on Wednesday 4/07/2021 - 4/14/2021

11:00 AM - 12:00 PM FEE \$10

This 2 session class presents basic knowledge, illustrations, and explanations for curious non-specialists, of the weather and climate of Arizona.

VICARIOUS TRAVELS: 500 MILES - TERRI DION/DIK SALSURY

Meets 1 time on Wednesday 4/07/2021

2:00 PM - 4:00 PM FEE \$5

Vicarious Travels: Come Along for the Ride! We love to travel and we love to take pictures! So, Terri Dion (Travelinterri) and Grand Photos are collaborating to bring you "Vicarious Travels"; photographic adventures from around the world. Member/travelers from Grand Photos will share their photos and fun so we can "vicariously" enjoy their expensive exotic trips...It's no secret that within a radius of 500 miles from our homes here in Sun City Grand, there lies an incredible wealth of sensational scenery just waiting to be discovered, explored and photographed. If you don't already have a National Parks pass you'll be sure to want one now! We invite you to take a virtual tour with Dik Salsbury as he captures just some of the highlights with his camera. From Organ Pipe National Monument in Arizona to Bryce Canyon National Park in Utah and California's Yosemite National Park to

the Great Sand Dunes National Park of Colorado, you'll see images of places you'll want to visit or visit again...and again. Join him vicariously!

ELLIS ISLAND, AND THE STATUE OF LIBERTY - KEN SORENSEN

Meets 1 time on Thursday 4/08/2021

2:00 PM - 4:00 PM

FEE \$10

From the vantage point of people throughout the world, two of our most iconic symbols are Ellis Island and the Statue of Liberty. Both of those terms capture the imagination of foreigners because both terms represent the idea of freedom and achieving your dreams. What is the background on the founding of Ellis Island? Where did the name come from? What did it take to come to America through Ellis Island? What about the Statue of Liberty? Who made it? Why did it end up in America? What about the poem on the side of the Statue? There are many stories to cover. Come and hear about 2 of the most outstanding symbols of America.

REMBRANDT - ALLEN REAMER

Meets 1 time on Friday 4/09/2021

9:00 AM - 11:00 AM

FEE \$10

Rembrandt painted during the Golden Age of Dutch art. Today he is viewed as a great master of painting. He did etchings as well. In addition talking about his paintings, you will discover why he did etchings and what he etched. His life had major high points and low points. In this talk his life and his art will be discussed in great detail. You will also discover why this small country had so many professional artists and why this was the Golden Age of Dutch Art. We will begin with his birth and continue until we run out of time.

MEMORY TRAINING CLASS - LAURIE FOX

Meets 1 time on Tuesday 4/13/2021

2:00 PM - 4:00 PM

FEE \$5

The Memory Training Class is a fun, interactive class for people who want to enhance and keep their memory strong. There will be tips and tricks given for improving memory as well as a handout for notes to take away for continued practice at home. If you want to improve your memory, this is the class for you.

THE FIRST 100 DAYS - PHIL AXELROD

Meets 2 times on Tuesday 5/04/2021—5/11/2021

9:00 AM - 11:00 AM

FEE \$15

The "FIRST 100 DAYS", is a concept that started in America with the election of Franklin D. Roosevelt. He took swift action upon taking office and passed through

Congress 15 important bills in his first 100 days. Each president since then has been measured by what they have accomplished in their respective first 100 days. JFK ordered the Bay of Pigs invasion 87 days into his first term. Gerald Ford gave Richard Nixon a full pardon one month after taking office. Ronald Reagan on his first day in office announced the release of the diplomats being held by Iran. Barak Obama got Congress to pass the stimulus package 29 days into his first term. What will our next President accomplish during his first 100 days? How will his first 100 days be perceived by America, and the world? We will meet to discuss his successes and failures and what the future might hold. So if you are interested in politics, this is the class for you.

NOTE: Classes subject to change/cancellation based on Instructor availability and student/registration



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