ORICL

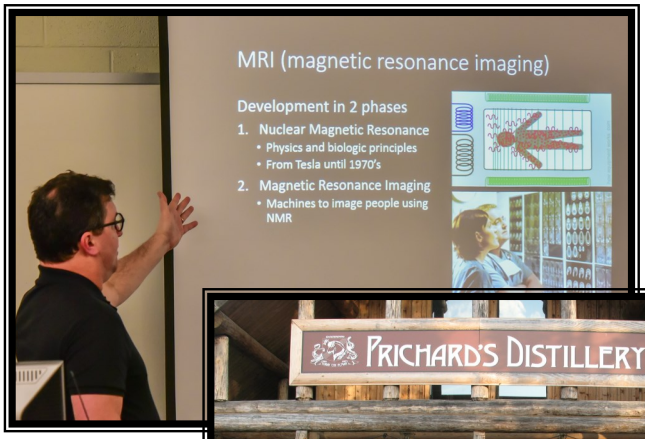
Oak Ridge Institute for Continued Learning

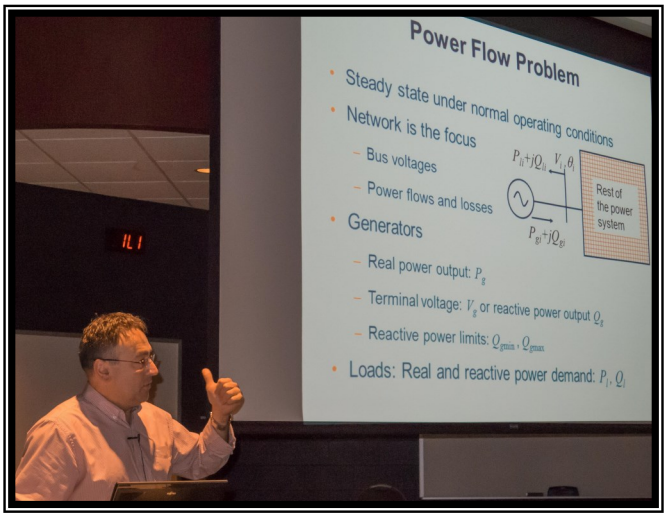
Summer 2016

ORICL - Enriching Lives Through Continued Learning

June 6 - August 5, 2016

May 11th - early registration deadline





ORICL… *"A perfect blend of those who love to learn with those who love to teach"*

Roane State Community College

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The Curriculum Committee works hard to come up with new ideas for classes and trips. When you see one of the Committee members, be sure to thank them for their hard work!

Art & Culture

100 From Monet to Van Gogh: A History of Impressionism, Part 2

This class is a continuation of a study of Impressionism in Art, a course offered by The Teaching Company. See the Winter/Spring catalog for more detail. The full course consists of 24 half-hour lectures. Lectures 1 to 12 were covered in the Winter/Spring term, and we will continue with lectures 13 through 24, showing two lectures per session. This will allow 10 minutes for comments and discussion. Professor Richard Brettell begins the second part of this course with the third Impressionist exhibition of 1877, and takes us through to the dissolution of the movement in 1886. Artists whose works are discussed include Edgar Degas, Gustave Caillebotte, Mary Cassatt, Paul Gauguin, Vincent Van Gogh, and Henri deToulouse-Lautrec.

Richard Brettell is among the foremost authorities in the world on Impressionism and French Painting of the period 1830-1930. He is presently professor of Art and Aesthetics at the University of Texas at Dallas with BA, MA, and PhD degrees from Yale University. He has held visiting professorships at Harvard University and Yale University and is currently the American Director for The French Regional and American Museum Exchange (FRAME). His books include *Modern Art - 1851-1929: Capitalism and Representation,* and *Impression: Painting Quickly in France, 1860-1890*, and he is also the lecturer in another of the Teaching Company courses, *Museum Masterpieces: The Louvre.*

David Smith and Murray Martin are the coordinators for this video presentation. Both have enjoyed many of the Great Courses over the years and would like to share with you their enthusiastic response to this Teaching Company offering. David and Murray have previously taught courses on music, and Murray has presented courses on travel.

Six sessions: Mondays, 4:00-5:10 p.m., June 20, 27; July 11, 18, 25 and August 1

101 Art a la Carte Film Series

Art a la Carte is a series of brown-bag luncheon learning programs designed for those interested in the arts – both artists and arts appreciators. Films concentrate on art history, museum collections, interviews with artists and/or demonstrations by various artists, and the creative muse or spirit. Summer 2016 will feature the final two segments of the film series "Understanding Art: Baroque and Rococo," and, in August, the beginning of a new "Understanding Art" series, "Understanding Art: Impressionism." The first of the series will be "The Gang of Four" – Monet, Renoir, Bazille, and Pissarro – exploring the radical changes that rocked the arts and society in Paris. Films for the series are approximately 60 minutes long but may be slightly longer. The series is held the fourth Friday in each month at 12 noon. This class will be held at the Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge.

Three sessions: Fridays, 12:00 noon -1:00 p.m., June 24, July 22 and August 26

102 Tales of Wisdom and Wonder

Wisdom Stories provide snippets of age-old wisdom, Wonder Tales, a glimpse into the mystery that underlies everyday reality. Nothing so simple as "The Moral of the Story" or "Abracadabra," yet nowadays we sometimes dismiss stories as child's play, not worthy of serious adult attention. Are we missing something? Are we too modern and sophisticated for our own good? To find out, come listen to good stories from many different cultures. Learn to see by listening.

No reading involved. Bring a notebook or scratch pad for notes, drawings, doodles, snatches of poetry, whatever pops into your mind while listening.

Kathleen Mavournin grew up in Minnesota fascinated by myths, folktales and fairytales. She has lived more than 45 years in East Tennessee, holds a PhD in Microbiology from UT, and worked 20+ years at ORNL. On retirement 15 years ago, she turned into a professional storyteller. Her repertoire includes rarely heard stories from remote places as well as Appalachian, Native American, and European tales. She's a graduate of the School of Sacred Storytelling and a member of the Healing Story Alliance. She leads workshops on telling life stories, creating fairytales from personal experience, or goddess mythology; she teaches storytelling to children and teaches teachers to teach storytelling to children.

Four sessions: Wednesdays, 11:00 a.m.-12:10 p.m., July 6, 13, 20, 27

103 Travels through Beautiful and Spectacular Vietnam

Join us for a slide show of beautiful and spectacular Vietnam, the native country of the instructor. She will share experiences and commentary on her travels to many places including the popular tourist and resort areas, from which she has recently returned. Also, she will discuss the Vietnamese culture, music, and foods, and will bring samples of Vietnamese desserts for you to taste.

Jessie Nguyen was born in South Vietnam and came to the United States of America several years ago as a teenager. Jessie very much missed her favorite Vietnamese street foods here, so she learned some easy ways to cook Vietnamese foods for college students. She studied business and graduated with a major in Hospitality, and started her own business in Vietnamese Food and Catering over five years ago, and is planning to add a travel business later this year.

One session: Monday, 2:30-3:40 p.m., June 20

104 Collector's Savvy

While many people do not think of themselves as "collectors," many have a significant number of items and, sometimes, artwork they have purchased, loved and lived with for years. If you scan your home and find you have several items you love, have kept as an investment, or may wish to pass along to your heirs, you are a collector. This class will help you with practical guidelines, an overview of information collectors should keep and ways to mark pieces for themselves and those they love for future knowledge. Conditions they should strive to emulate and foibles they should avoid in locating work, framing, matting and storing will be discussed.

Leah Marcum-Estes see class 106 for bio information

One session: Thursday, 10:00 a.m. – 12:00 noon, July 28

This class will be held at the Oak Ridge Art Center, 201 Badger Avenue, Oak Ridge.

105 Rakú Crackle Pots Class Fee $35

For anyone who loves rakú ceramics, fire, physics, chemistry, and/or magic, this class is the laboratory for mixing them up. Students will create a rakú pot with the traditional crackle glaze finish. Mr. Capshaw will demonstrate the magic that transpires when bisqued ware is introduced to fire and smoke. Individuals will be led through each step of the process. After glazing, pieces are dried before placing in an outdoor rakú kiln where they are heated or "fired." When they are ready, they are pulled white-hot from the fire with tongs and placed in a barrel to "smoke." The clay then "breathes" in the smoke to form the characteristic black areas and crackle often associated with rakú. Participants are usually amazed and inspired by the magic produced in the kilns and smoke barrels.

Students will make simple slab pots and pattern with textures on the first day which will be dried and bisque fired before they return the following week. At the second class, pieces will be glazed, fired, and cleaned. Classes will meet in the pottery studio at the Oak Ridge Art Center – 201 Badger Avenue, Oak Ridge. Students should wear washable clothes and shoes and be prepared to play in the "mud." On the second or firing day students must wear long pants, long sleeves, and shoes that cover their feet for safety. Pre-made pieces will be available to purchase, glaze and fire for an additional fee.

Bill Capshaw is a member of the Advisory Board of the Oak Ridge Art Center, where he oversees the planning and operation of the pottery studio and teaches beginning to advanced classes. He received a Bachelor of Fine Arts (Ceramics) in 1971 and a Master of Fine Arts (Printing Process) in 1974. In addition to teaching at the Art Center, he has given workshops at facilities such as the Appalachian Center for Crafts, Arrowmont, John C. Campbell Folk School, and Vanderbilt University. As a professional artist, he competes locally and on a national level, has received many awards, and is represented in many museum collections.

Two sessions: Thursdays, 10:00 a.m. – 12:00 noon, July 7 and 14

106 Jewelry Techniques - Enameling Class Fee: $20

Students will try designing their own jewelry, focusing on earrings and the enameling process. Enamel is ground glass that is fused onto a metal surface (in this case copper) before attaching to ear wires. Embellishments of wire or beads may be added to the enameled shapes for a unique creation. We will discuss different types of earring findings, styles and use of torches before beginning to work. Each student will take a turn at the torches and create one or two pairs of enameled components before assembling their earrings. Demonstrations of the processes will be given before students design and create their own earrings.

Leah Marcum-Estes is the Director of the Oak Ridge Art Center. As a museum professional and arts educator for over 30 years, she has worked with artists and techniques in Tennessee and Kentucky.

One session: Thursday, 10:00 a.m. – 12:00 noon, June 30

107 Doodles and Tangles Class Fee $10

Are you always doodling when you are stuck on hold on the phone or sitting in a boring meeting? You are not alone. There are a flood of books recently about 'doodles' or 'zentangles.' But what is this all about? These books give techniques to take your 'doodles' and create beautiful designs by repetition of simple patterns. Adult coloring books are popular today. Learn to make do-it-yourself images to color and save yourself money. No artistic ability is necessary, just the ability to copy a few pen strokes in different configurations. You will complete several designs to take home. Pens and paper will be furnished. Materials fee of $10 will include your own pen so you can continue to explore this fun activity.

Ruth Prince teaches glass fusing, enameling and metal clay classes at the Oak Ridge Art Center and serves on their advisory board. She has a BA in math and computer science and a BFA in painting, both from UT, Knoxville.

One session: Thursday, 10:00 a.m. – 12:00 noon, July 21

Remember, if any scheduling changes have to be made after the catalog goes to print, they will be in your acceptance letter.
Please keep your letter with your catalog so you can refer to it.

Finance

200 Foundations of Investing

If you're like many people, you have financial goals in mind but feel a bit unsure about which investment strategy may be right for you. In this series, it's our goal to help you gain fundamental investment knowledge. These classes will give you a better understanding of your options as you move toward your personal financial goals.

Rules of the Road: This session will cover fundamental concepts of investing and potential strategies to help build wealth.

Stocks: The Nuts and Bolts: Basic information will be given to help investors evaluate if stocks fit into their overall strategy. Discusses common versus preferred stock, dividends, investment strategy and different ways to own stock.

An Investor's Tour of Mutual Funds: A detailed look at the features, benefits, and risks associated with mutual funds as well as a map to mutual fund selection will be the topic of this session.

Focus on Fixed Income: This class will explain the basics of fixed income investments, the seven characteristics of, the advantages of laddering, and how fixed income may be part of your investment strategy.

Michael Ousley, AAMS®, is an Anderson County native—growing up in Clinton and attending Oak Ridge High School. He later went to the University of TN, Knoxville for Engineering and managed an automotive plastics plant in Oak Ridge and Lenoir City before changing careers to be a Financial Advisor with Edward Jones. He has been an Edward Jones client since birth, was hired by Edward Jones in 2011 and has an office located in downtown Clinton.

Four sessions: Mondays, 11:00 a.m.-12:10 p.m., July 11, 18, 25 and August 1

201 Job Creation and Community Development

Everything – roads, government buildings, affordable housing, walking trails, restaurants, industrial parks, solar power – is a real estate decision. The instructor is committed to helping people understand how their personal real estate investment decisions, along with the decisions of public officials, control community development and job creation. When people begin to "think" like an investor they become much more involved in the critical topics of zoning, affordable housing, and tax subsidies.

Victor Jernigan has been involved in every type of real estate transaction from the simple fix and flip to a single joint venture in excess of $25M, for more than forty years. As a principal investor, he is responsible for the acquisition, design, zoning, entitlement, and financing of residential and commercial properties. His residential projects, both single and multifamily neighborhoods have a construction value in excess of $150M. His commercial transactions, which are focused on acquiring high value locations for single tenant users such as drug stores, banks, restaurants, and convenience stores, have a construction value in excess of $100M. As President of Knoxville Real Estate Investors (KnoxREIA), he has grown the group from 4 to over 100 annual members in the last 4 years.

Six sessions: Wednesdays, 3:00-4:10 p.m., June 8, 15, 22, 29: July 6, 13

202 Home Improvements and Investments

This class will cover the different ideas about what improvements should be made before selling a home to significantly increase your return on investment. The instructor will present several different approaches of when and why to make home improvements. Also, he will give data and provide insight as to what is going on in the Knoxville and surrounding area real estate market. He will present a unique perspective on commercial, land development, and residential real estate in the area.

Zach Sale has been immersed in the Knoxville community all of his life and wouldn't have it any other way. He graduated from Bearden High School, as well as the Haslam College of Business at the University of Tennessee with a Supply Chain Management Degree. He is an Affiliate Broker with Honors Properties in Knoxville. Zach knows the ins and outs of Knoxville and its economy.

Two sessions: Mondays, 9:30-10:40 a.m., June 6 and 13

History

250 India, Its History and Its People

This class will be based on the BBC documentary "The Story of India" by Michael Woods. The instructor will also share his own experiences as he traveled through some of the places covered in the documentary. Modern India and the intersection between antiquity and modernity will also be discussed. In order to get a taste of Indian culture and food, you will have the option to go out for lunch to an Indian restaurant as a group.

Rajendra Jain currently resides in Oak Ridge, but was born in India. He was educated in Architecture at Bombay University. After coming to the U.S., he received a Masters Degree in an interdisciplinary program in Architecture and Computer Science.

Nine sessions: Tuesdays, 11:00 a.m.-12:10 p.m., June 7, 14, 21, 28; July 5, 12, 19, 26 and August 2

251 Tennessee Archaeology

This presentation will provide a glimpse into prehistoric Native American lifeways as seen through the archaeological record from research across the state of Tennessee. The first Americans found rich and diverse natural resources throughout Tennessee, especially high quality chert toolstone, which is associated with the extensive limestone deposits that make up a large portion of our state. Archaic Native peoples greatly benefited from the spread of the deciduous forests that provided extensive nut crops, which also prompted an increase in white tailed deer populations. Woodland and Mississippian period cultures took advantage of the fertile river valley soils beginning with horticulture and later expanding into agriculture. Each of Tennessee's prehistoric timeframes will be described with information gained through research and salvage archaeology.

Mark Norton received a BS from MTSU and MA from UT Memphis. He has been employed by the Archaeology Division of the Tennessee Department of Environment and Conservation for 29 years and is currently the State Programs Archaeologist.

One session: Monday, 11:00 a.m.-12:10 p.m., June 6

252 The Role of Peace in Society According to Desiderius Erasmus

Dutch scholar, philosopher, and theologian Desiderius Erasmus wrote about "The Arts of Peace" in his work The Education of a Christian Prince (1516). He wrote also "The Complaint of Peace" in which Peace, personified, talks about her lot in the world. We will take a look at these works. Printed texts will be provided.

Virginia Jones is a retired clinical social worker and former English teacher for Roane State Community College and the University of Tennessee, as well as a former director of religious education for a local church.

Two sessions: Wednesdays, 9:30-10:40 a.m., June 8 and 15

Language

300 Introduction to Latin

This class is intended for those who have never taken a class in Latin, or for those who may have taken it quite some time ago and wish to review. This class will focus on very basic elements of the language – our best attempt at classical pronunciation, and elements of grammar and syntax. This will be done through a series of readings adapted from Ovid's Metamorphoses. While I hope we can begin to understand the structure of Latin, the primary goal of the class will be to enjoy exploring the language through these readings.

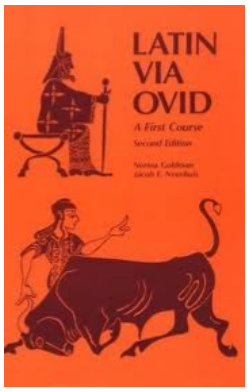
Students should purchase their own text. *Latin via Ovid*, Goldman & Nyenhuis – Wayne State Univ. Press, ISBN –0-8143-1732-4, available from Amazon, Barnes & Noble, Books-a-Million by order – Price is approximately $30.

Bill Moore received a BS in Electrical Engineering, BA in English from Texas A&M, and PhD in Experimental Psychology at the University of Houston. He has worked in a variety of settings, including NASA, private industry, and academia. The latter includes post-doctoral work at Duke, and posts at MTSU, Drake Univ., and Marshall. He retired from active teaching several years ago, and has been doing some online courses since. While at Marshall he was fortunate enough to take two years of Latin from two excellent teachers.

Seven sessions: Thursdays, 11:00 a.m.-12:10 p.m., June 23, 30; July 7, 14, 21, 28 and August 4

301 Latin via Ovid

This intermediate course will be a continuation of the same Latin course offered last term. Having taken high school or college Latin would also be an acceptable prerequisite to this class. Basic grammar, vocabulary, and pronunciation will be covered. The text will present simplified versions of stories from Ovid's "Metamorphoses."



Book: *Latin via Ovid*, A First Course. 2nd Edition, Norma Goldman and Jacob E. Nyenhuis. 1977, Wayne State University Press. ISBN 0-8143-1732-4. Available online through Amazon or Barnes & Noble. Locally, Books-A-Million can order it – delivery is usually within a week.

Bill Moore, see class 300 for bio information.

Sessions: TBD

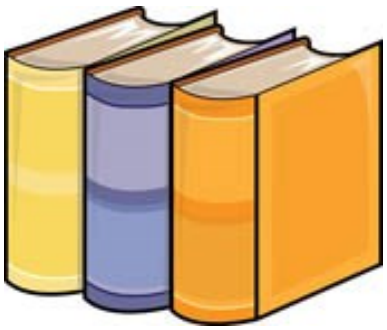
Literature

350 Fiction Book Group

The Fiction Book Group encourages its members to read and discuss together the fiction of the last several decades. We read recent winners of the National Book Award, the Pulitzer Prize, the Booker Prize, and the PEN/Faulkner Award, and other literary prizes. Members recommend books they have read, and the final selections are made by majority vote. Join us to discover some new authors and titles to enjoy. You'll like the lively, informal discussions and the insights offered by the avid readers in this group.

The May book is: *A Spool of Blue Thread* by Anne Tyler. (Discussion leader, Susan Frederick.) The June book is: *An Unnecessary Woman* by Rabih Alameddine. (Discussion leader, Priscilla McKenney.)

Class coordinator is Kay Moss.



Four sessions: Thursdays, 1:15 - 2:45 p.m., May 26; June 23; July 28; August 25

351 Nonfiction Book Group

Nonfiction ranges widely: politics to biography; history to natural science; adventure to psychology; sociology to business—we read them all. Members recommend books they have read, and final selections are made by majority vote. Come join us and surprise yourself by reading some titles you might never have selected or enjoyed - PLUS enjoy the wide range of stimulating discussions and viewpoints!

The May book is: *Destiny and Power: The American Odyssey of George Herbert Walker Bush* by Jon Meacham. The June book is: *The Stuff of Thought: Language as a Window into Human Nature* by Steven Pinker.

Class coordinator is Jim Basford.

Four sessions: Thursdays, 10:00 - 11:30 a.m., May 19; June 16; July 21; August 18

352 Classic Literature Revisited

The Classic Literature book group reads and discusses classic literature with the goal of challenging each other for new insights into old favorites. The group reads novels published before 1950 which have achieved lasting fame. Books will be voted on by the group.

The May book is: *American Beauty* by Edna Ferber. The June book is: *The Razor's Edge* by W. Somerset Maugham.

Judy Kidd has been active in Oak Ridge arts since 1957 and taught English for twenty five years at Robertsville Junior High. She participates in most ORICL book discussions and literature classes.

Four sessions: Mondays, 1:30 - 3:00 p.m., May 9; June 13; July 11; August 8

353 Let's Read a Mystery

Those who read mysteries learn history, culture, and forensic information as well as development of characters. Of course, they also read about criminals, sleuths and the solution to the crime. There are categories such as cozy cottage and suspense. Come and discuss authors and titles.

The May book is: *A Thief of Time* by Tony Hillerman.
The June book is: *A Crime in the Neighborhood* by Suzanne Berne.

Class Coordinator is Katherine Smith.

Four sessions: Tuesdays, 4:00 - 5:10 p.m., May 24; June 28; July 26; August 23

354 Harper Lee is The Mockingbird

On the event of Harper Lee's death on February 19, 2016, a neighbor, Sue Dietterle wrote:
"Hey, Boo, you left your mark without a lot of fanfare….The recognition and praise seemed to roll off you like water from a duck's back. I'm pleased you disavowed the limelight of fame, in favor of the familiar company of your true friends and hometown waters. Paddle on, Nelle."

In several ways Lee was Boo, the character in *To Kill A Mockingbird* who valued childhood and its innocence but who also had to have his privacy to stay himself.

So, in this course about Nelle Harper Lee, she is THE mockingbird, like Boo, who shuns the light, the lime light. She is the innocent childlike woman who protects the vulnerable. She is the writer with the reclusive nature who wrote a novel that will be an intimate part of our lives for a long, long time.

Surviving all the lawyers in her life, Harper Lee escaped the law profession by opting for New York City instead of finishing law school. It was there where she could have her privacy in the midst of a crowd. And it was there that she fortunately found patrons whose money allowed her to quit her airline work and to write the novel we all love.

Miriam Wankerl and Kay Moss will lead studies of Go Set A Watchman and To Kill A Mockingbird respectively. Jane Grossbeck will share information from multiple biographies, including commentaries recently published on the occasion of Lee's death. All three women are retirees from the Oak Ridge Schools.

Four sessions: Mondays and Wednesdays, 11:00 a.m. – 12:10 p.m., August 15 and 17; August 22 and 24

355 Shakespeare Out Loud

"Oh, wonder!
How many goodly creatures are there here!
How beauteous mankind is! Oh, brave new world,
That has such people in 't!"
The Tempest, Act V, scene i

Summertime! And the reading in the Shakespeare Out Loud class turns to comedy. This summer we will read *The Tempest*. Of Shakespeare's comedies, *The Tempest* is his greatest dramatic poem. The play contains some of his finest poetry and reveals his mastery over English blank verse.

Come join us to study Caliban, Ariel, Prospero and Miranda---and to read what happens when a ship wrecks on the coast of their mysterious island. Even a comedy may be used for a serious theme, and the theme of *The Tempest* is reconciliation.

The story of the shipwreck is based on accounts of a real English ship on its way to Virginia that wrecked on the coast of Bermuda in 1609. The classic science fiction film "Forbidden Planet" (1956) is said to be based on *The Tempest.*

The group reads orally in a round-robin manner, stopping for informal discussions, as the group desires. Mispronunciations welcome! Bring your own unabridged copy of the play. Various editions pose no problem.

Jane Williams and Nancy Burwell are retired educators who know that the best way to learn is to teach. They enjoy organizing the class and absorbing Shakespeare along with the other readers. They like to have fun while learning and have discovered that the more people reading the play to one another, the more fun!

Eight sessions: Tuesdays, 1:00 –2:10 p.m., June 7, 14, 21, 28; July 5, 12, 19, 26

Medicine/Health

400 Beyond the Couch – Modern Techniques in Psychotherapy

This course will include a comparison of two evidence-based approaches to psychotherapy: Cognitive Behavioral Therapy (CBT) and Mindfulness. Participants will learn practical skills that can help them to improve resilience and maintain emotional well-being. Research on the efficacy of both techniques will be presented for discussion. This class is a continuation of one offered Fall 2015 semester, covering different techniques. You do not need to have attended to Fall class to enjoy this one.

Kelly Stevenson is a Clinical Social Worker licensed in Florida, Georgia and Tennessee. She is the Knox Branch representative of the Tennessee Chapter of the National Association of Social Work. She is Certified in Eye Movement Desensitization and Reprocessing, and is an Integrative Restoration Level II Teacher-in-Training. She is an Adjunct Professor in the College of Social Work at the University of Tennessee. She has a private therapy practice in Roane County, Clinch River Counseling.

Four sessions: Wednesdays, 1:00-2:10 p.m., June 8, 15, 22, 29

401 The Simple yet Complex World of Calories and Metabolism

Join us for an ORICL class that will help educate you about calories and how managing them effectively can help you attain your health and weight loss goals.

Different real life food examples will be demonstrated and discussed for calorie comparison. We will also discuss calorie burn through physical activity.

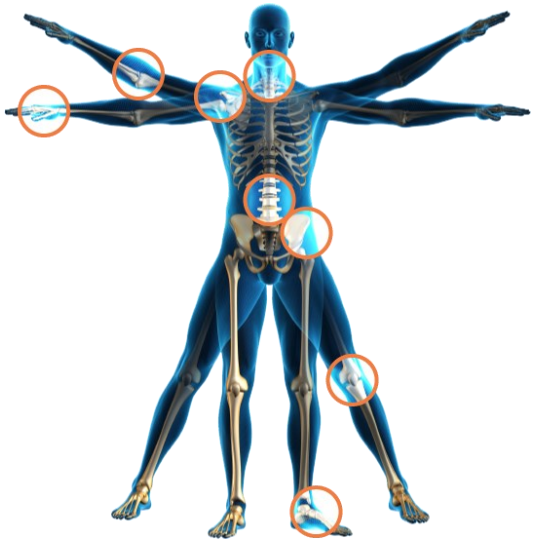
The simple part is calories in vs. calories out, but we will also delve into the more subtle areas of why a calorie isn't just a calorie, having to do with the thermic effect of food and NEAT (non-exercise activity thermogenesis) and how that differs amongst people.

Nancy Cosgrove, RN, BA, is the owner of RNfit Weight Management, an HMR Program. Her nursing experience ranges from in-hospital cardiac care, to occupational health, as a nurse for both KUB and the Postal Service. However, her true calling is preventive care: helping people lose weight and become healthier through lifestyle change.

One session: Wednesday, 9:30-11:30 a.m., June 22

402 Medical Lectures: Orthopedics

This course will consist of a series of five lectures focusing on orthopedic concerns that develop as we age.



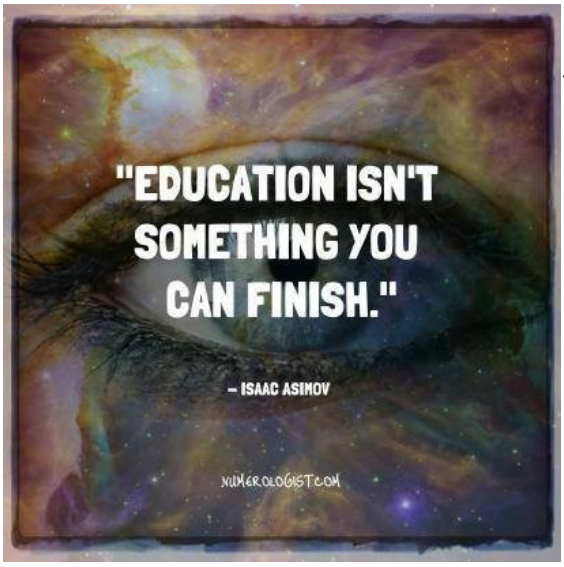
Knee and hip replacement: A review of arthritis and joint replacement for the older adult patient.

Shoulder pain: An introduction from rotator cuff repair to shoulder replacement for the older adult patient.

Back and neck pain: Nonsurgical management of back and neck pain and related disorders.

Common hand and wrist disorders with aging: Common diseases and how we treat them for the upper extremity in adults.

Foot care and basic problems: An expert's review of common foot disorders for adults and treatment options.



Daniel Benson, M.D. came to East Tennessee in 2014 to join Orthopedic Surgeons of Oak Ridge. Originally from Bowling Green, Kentucky, he attended Georgetown College in Kentucky where he earned a Bachelor's of Science in Chemistry. He completed his Doctor of Medicine at the University of Louisville School of Medicine and went on to do his residency in orthopaedic surgery at Kansas University Medical Center. He has published a number of articles on orthopedic traumatology, spine care and fracture care.

Five sessions: Tuesdays, 6:00-7:10 p.m.,
June 7, 14, 21, 28 and July 5

ORICL Board of Directors

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Lee Smalley	Katherine Smith

Music

450 With My Banjo on My Knee: The Life and Music of Stephen Collins Foster

This class will examine the tragic life and glorious music of Stephen Collins Foster. Stephen Foster (1826-1864) was America's first professional songwriter. He composed 200 songs in his short life and invented popular music as we know it today. Foster's songwriting helped usher in the Minstrel Era in American music. Some of his classic songs include: "Oh! Susanna", "Jeanie with the Light Brown Hair", "Beautiful Dreamer", "Hard Times Come Again No More", "My Old Kentucky Home", "Good Night", "Angelina Baker", "Camptown Races", and "Old Folks at Home". He died at the young age of 37, a forgotten and nearly penniless alcoholic on the Bowery of New York City.

Foster's music was forged by the forces of nineteenth-century industrialization, westward expansion, the Gold Rush, slavery, and the American Civil War. This class will contain mini-lectures, recordings, live musical instrument demonstrations, and group discussions – sing along if you wish. Come to learn why Stephen Foster's life should be examined and why his music should be preserved and perpetuated.

Chip Bailey is a Teaching Artist with the Tennessee Arts Commission, a member of Tennessee Folklore Society and Appalachian Studies Association, a Musician Ambassador at the Museum of Appalachia, and a retired college professor/administrator.

Two sessions: Mondays, 6:00 – 7:10 p.m., June 20 and 27

ORICL Class Disclaimer

The course content provided in these classes is for information purposes only, and may not apply to your individual situation. ORICL and the staff provide no warranty about the content or accuracy of subject matter presented. Information provided is subjective. Keep this in mind when attending these classes. Any individual actions taken as a result of courses should be reviewed with competent authority. Please contact the ORICL office if you have any questions.

Philosophy

470 Gene Hise Philosophical Society

The Philosophical Society continues its twelfth year of exploring useful knowledge and the integration of the sciences. In all previous semesters, presentations and stimulating discussions were held in areas of physical science, engineering, medical science, natural science, and social science.

The Society has no fixed subject or topic. Any topic in the sciences is fair game; however, we leave politics and theology to other classes. The society has no permanent instructor. Members and guest speakers who are knowledgeable in the topic for that session make presentations.

It has been our experience that the presentations are well-prepared and intellectually stimulating, and the discussion periods (while not descending quite to anarchy) are equally stimulating and great fun.

Class moderator is Bob Olson.

Nine sessions: Fridays, 11:00 a.m. - 12:10 p.m.,
June 10, 17, 24; July 1, 8, 15, 22, 29 and August 5

The ORICL Lottery System:

For a variety of reasons, the number of attendees in some of our classes is limited. To be as fair as possible in the selection of attendees we have developed a computer lottery system which is equivalent to a method to draw names randomly out of a hat. Each registrant is allowed to select five classes in order of priority (the first five on the registration form). For the first five requests for classes listed, there is no advantage to early registrants as long as registration is received by the early registration deadline. The higher the priority assigned to a class, the more "slips" are put in to the "lottery hat." The computer program does the drawing of slips, and prints out a class list. Our registration form now allows registrants to list five additional classes beyond their priority choices which she/he would like to attend. Members are encouraged to register for as many classes as they wish to take in order to receive class location, dates, and times information and class notes. Space is allocated to these extra requests on a first-come, first-served basis after the lottery has been run. For the supplemental classes there is an advantage to getting the forms in early. Don't hesitate to call the office if you have any further questions about our system.

Religion

500 Native American Religion and Culture through Stories, Songs and Digital Media!

Only two sessions for summer. This class is offered so you may sit back and enjoy as you listen and learn. Let the concepts of the Indian culture embrace you.

This will be an abbreviated version of a previous class. It will offer traditional and contemporary stories and songs both days, ending with digital presentations set to music. The short digital presentations will include; The Trail of Tears, Wounded Knee and will conclude with beautiful Cherokee music and pictures of the indigenous people of our country and their land.

The stories are integral to the religion and philosophy of the Indian people. They have been passed down from generation to generation by word of mouth. The stories are like a sacred weaving of history, culture, and religion.

I will be offering stories that are always selected as "favorites" when I do an evaluation of classes. If you have a request for a specific story you have heard me tell, please request when you sign up for class and I will try to work it in.

I hope to see you for two weeks of fun and fellowship!

Joni Lovegrove is a local artist and storyteller living in Oak Ridge. She is a former employee of ORNL and has worked with various organizations promoting land and water conservation efforts. She has given lectures throughout East Tennessee at numerous facilities requesting Native American stories and historical and cultural information. Being a native of East Tennessee with Cherokee ancestry, her enthusiasm for nature and the Cherokee culture is apparent within her artwork, storytelling and teaching.

Two Sessions: Wednesdays, 1:00-2:10 p.m., July 13 and August 3

252 The Role of Peace in Society According to Desiderius Erasmus

Please see course description on page 9

Science & Technology

550 Technical Book Group

The Technical Book Group will discuss books on topics in science and technology. Books for the term will be selected from nominations at the first meeting. Members should send nominations from their good-book-list to the class coordinator, to leeaberry223@gmail.com at least one week before the first meeting.

The June book is: *Your Inner Fish: A Journey into the 3.5 Billion Year History of the Human Body* by Neil Shubin.

Lee Berry is the class coordinator.

Three sessions: Mondays, 4:00-5:10 p.m., June 27; July 25; August 22

551 Urbanization and the Environment: The New Science of the City

Since 2008 the majority of people on the planet Earth live in cities, in urban environments. This number will grow with a larger and larger fraction of more and more people living in cities, especially in the developing world. This trend in global urbanization has already begun, and will continue, to influence how people interact with the environment, as well as bringing dramatic changes in society and social interactions.

The science of urban environments is expanding and evolving in concert with these trends in urbanization and concurrent changes in technology. In this class we will review the history of global urbanization and projections into the future, with considerations of human demography and population growth. We will look at consequences of these changes for the environment and how climate and other environmental changes impact the urban environment and the people who live there. We will survey rapid growth and changes in urban science, the "new science of the city," including how this science is being transformed by information technology, urban informatics and the concept of "Big Data."

Anthony King is a Research Staff Member in the Environmental Sciences Division of ORNL. He received a BS in Zoology and MS in Biology from Arkansas State University. He received his PhD in Ecology from the University of Tennessee. Since joining ORNL in 1987, Dr. King has performed a variety of research. Most recently he has been involved in scientific synthesis and assessment in support of decision making and the assessment of climate impacts on coupled socio-ecological systems, including the impacts of sea-level rise on military and urban infrastructure and currently climate change impacts and adaption in agricultural systems.

Nine sessions: Fridays, 2:30-3:40 p.m., June 10, 17, 24; July 1, 8, 15, 22, 29 and August 5

552 Graph Analytics in Healthcare Applications

Finding actionable insights from data has always been difficult. As the scale and forms of data increase tremendously, the task of finding value becomes even more challenging. Data scientists at

Oak Ridge National Laboratory are leveraging unique leadership infrastructure (e.g. Urika-XA and Urika-GD appliances) to develop scalable algorithms for semantic, logical and statistical reasoning with unstructured Big Data. We present the deployment of such a framework called ORiGAMI (Oak Ridge Graph Analytics for Medical Innovations) on the National Library of Medicine's SEMANTIC Medline (archive of medical knowledge since 1994). Medline contains over 70 million knowledge nuggets published in 23.5 million papers in medical literature with thousands more added daily. ORiGAMI is available as an open-science medical hypothesis generation tool - both as a web-service and an application programming interface (API) at http://hypothesis.ornl.gov.

Since becoming an online service, ORiGAMI has enabled clinical subject-matter experts to: (i) discover the relationship between beta-blocker treatment and diabetic retinopathy; (ii) hypothesize that xylene is an environmental cancer-causing carcinogen and (iii) aid doctors with diagnosis of challenging cases when rare diseases are manifested with common symptoms. In 2015, ORiGAMI was featured in the Historical Clinical Pathological Conference in Baltimore as a demonstration of artificial intelligence to medicine, IEEE/ACM Supercomputing, and recognized as a Centennial Showcase Exhibit at the Radiological Society of North America (RSNA) Conference in Chicago. This class will describe the fundamentals leading to the design and deployment of ORiGAMI along with a tutorial on how to use the tool.

Dr. Rangan Sukumar is currently a Group Leader for Advanced Data and Workflows, in the National Center for Computational Sciences of ORNL. He has held this position since October 2015. He is responsible for leading a team of scientists that design, build and offer creative data science solutions to enable interactive data-driven discovery in science domains spanning astronomy to zoology. He earned a Master of Science degree (2004) and the Doctor of Philosophy degree (2008) in Electrical Engineering from the University of Tennessee. He holds a Bachelor of Engineering Degree in Electronics and Communication Engineering (2002) from the University of Madras, India. His research interest and expertise cover big data analytics: knowledge discovery architectures and algorithms, machine learning, graph/ relationship analytics, data fusion, pattern recognition, computer vision, and information visualization.

Two sessions: Mondays, 6:00-7:10 p.m., June 6 and 13

Thank you for contacting the ORICL office when you cancel a class or trip. It is a courtesy to the class instructors, the trip leaders, the office staff, and especially to those on the waiting lists!

Social Science and Economics

600 Climate Change: An Overview of Science and Modeling

Oklahoma Senator James Inhofe famously stated in 2005 that climate change is "the biggest hoax ever pulled on the entire human population" and that the climate change debate should be based not on "religion" but on fundamental principles of science. The consensus among world scientists as of the 2007 Intergovernmental Panel on Climate Change Fourth Assessment report was that global warming is occurring unequivocally and that the warming is caused by human activity. That report and the subsequent 2014 Fifth Assessment report support this consensus with a multitude of fundamental studies.

We investigate here some of the scientific principles and methods that inform those studies, discuss the capabilities and limitations of what they can tell us about the earth's future, and suggest ways in which we can act locally to find and implement solutions to this difficult global problem. Topics include: 1) Global Warming and the Carbon Cycle, 2) Indicators of Climate Change, 3) Global and Regional Climate Modeling and Uncertainty, and 4) Climate Change and Human Life.

Joseph Kennedy and Melissa Allen are postdoctoral researchers at Oak Ridge National Laboratory's Climate Change Institute. Joseph focuses on glaciology, ice-sheet modeling and model verification and validation. Melissa covers regional atmospheric modeling and analysis of the effects of climate change on cities and critical infrastructure.

Four sessions: Thursdays, 7:00-8:10 p.m., June 9, 16, 23 and 30

601 Bull Run Power Plant – Ready to Run for the Future

Bull Run has been a crucial part of TVA's generation system since 1967 and produces enough electricity to supply nearly 400,000 homes. As the utility looks toward the future, they've installed cleaner air solutions to capture more of the plant's by-product, which improves the air quality for all of us. In this class, Bull Run plant manager Mike Easley will discuss not only what has been done to improve daily operation of this plant, but also how the overall TVA electric generation system has been improved in order to meet stricter federal clean air standards.

Mike Easley is the plant manager for TVA's Bull Run Fossil Plant. He joined TVA in 2001 through the plant operator program at Widows Creek Fossil Plant and progressed through Assistant Unit and Unit Operator positions there and served as Operations Manager and Outage/Work Control Manager at other fossil plants. He earned his MS in Business Administration from Bryan College. He is currently pursuing a PhD in business from Northcentral University and expects to complete it in 2018.

Two sessions: Tuesdays, 9:30-10:40 a.m., June 14 and 21

602 Manhattan Project National Historical Park—Oak Ridge

For over a decade, the Department of Energy, in cooperation with the National Park Service, other Federal agencies, state and local governments, and other stakeholders, pursued the possibility of including its most significant Manhattan Project properties within a national park that chronicles the stories of people, events, science, and engineering behind the Manhattan Project. On December 4, 2014, the House passed the 2015 National Defense Authorization Act, which included provisions authorizing the Manhattan Project Park. The Senate passed the bill on December 12, 2014. President Obama signed the National Defense Authorization Act into law on December 19, 2014, authorizing the Manhattan Project National Historical Park.

This three session course will detail the history of the efforts and actions taken to establish the park. The three sites included in the park are Oak Ridge, Tennessee; Hanford, Washington; and Los Alamos, New Mexico. The status to date and the scope of operations will be described. Finally, the future outlook will be detailed, along with an explanation of what is needed to sustain the park. Opportunities available to volunteer will be explained.

Ray Smith - Historian, Author, Newspaper Columnist, Film Producer and Photographer - has lived and worked in Oak Ridge for 45 years. He has developed an extensive understanding and appreciation of the heritage of Oak Ridge's history, especially the Manhattan Project era and resulting technological advances during ensuing years. Ray serves in a support role for the implementation of the Manhattan Project National Historical Park. Among other tasks, he has provided tours of Oak Ridge government and the city of Oak Ridge sites to various leaders to aid in the implementation of the park.

Three sessions: Thursdays, 2:30-3:40 p.m., June 9, 16 and 23

251 Tennessee Archaeology

Please see course description on page 9

551 Urbanization and the Environment

Please see course description on page 19

603 Perspectives on Espionage

Why do people commit espionage? Is there a difference between treason and espionage? Was Joe McCarthy actually correct in his accusations? What are the Venona papers? What is the difference between an agent, source, spy, and asset? How many spy cases can you recall? How many major spy cases do you think there are that you don't know anything about? These and other questions will be discussed in this course. Come and learn about the senior DIA analyst who was a spy for the Chinese for 18 years or the Air Force Lieutenant Colonel who sold the designs for U.S. weapons for a pittance. Discuss why several senior State Department officials spied for foreign powers and how they explained their actions. Explore why people who spy never think of themselves as criminals and how foreign entities exploit people to obtain secrets and to suborn cultures. Believe it or not, all his material is from open sources. You just need to know how to put it in proper perspective.

Tony Jordan is a retired Senior Intelligence Service officer in the CIA. He was involved in intelligence work as an operative, spy master, counterspy, and senior executive in the intelligence community for more than 40 years.

Four sessions: Tuesdays, 2:30-3:40 p.m., June 7, 14, 21 and 28

Volunteer Incentive!

When filling out your class registration form, please consider checking the box that says you would be willing to be a class assistant for one or more classes. As an incentive to do so, the Curriculum Committee is offering a class admission benefit. If you check the box, and if you are chosen to be the assistant for that class, you will bypass the lottery and be enrolled automatically in that class. We really could use a larger pool of class assistants, so please consider offering to help.

For those of you who may be concerned about classes in which audio-visual equipment is to be used, we can provide one-on-one instruction as the need arises. Each classroom has an illustrated instruction sheet and also, there will almost always be someone available in the class who is familiar with the equipment.

Miscellaneous

650 Vietnamese Cooking -Spring Roll Class Fee: $15

Come and learn the basics! The instructor will teach and demonstrate the basics of easy, delicious, and healthy Vietnamese and Asian cooking. This class will include an interactive cooking demonstration and sampling of Vietnamese and Asian foods. The item featured for this class will be the Vietnamese veggie spring roll with peanut sauce.

Jessie Nguyen – see class 103 for instructor bio information.

One session:

Friday, 4:00 – 5:10 p.m., June 17

651 Asian Cooking -Rice Roll Class Fee: $15

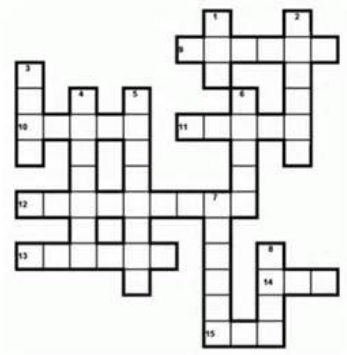
Come and learn the basics! The instructor will teach and demonstrate the basics of easy, delicious, and healthy Vietnamese and Asian cooking. This class will include an interactive cooking demonstration and sampling of Vietnamese and Asian foods. The item featured for this class will be the Asian seaweed rice roll.

Jessie Nguyen – see class 103 for instructor bio information.

One session:

Friday, 4:00 – 5:10 p.m., July 15

652 Cryptic Varietal Crossword Puzzles



Mental exercise such as working crosswords is thought to benefit older brains by keeping them agile. In cryptic crosswords, the clues are puzzles in themselves. Cryptic varietal crosswords have an added layer of logic. So cryptic varietal crosswords are like crosswords on steroids! They combine cryptic clues with variations on the construction of the puzzle itself. Generally, no two puzzles are alike in construction, and the intent of the puzzle authors is to entertain with novelty.

We will begin with an introduction about the history and culture of these puzzles, and then we will solve puzzles together as a class. We will use U.S. varietal crossword puzzles (provided to students) to learn how to solve cryptic clues and to deduce the wordplay of varietals. They will seem impossible at first! Each clue provides its own AHA! moment, and the wordplay and logic part will keep your mind nimble. Vocabulary is not nearly as important as flexibility and clue type recognition.

Elane Streets began learning to solve cryptic crosswords as a newly-wed in England in the early 70's, and, although the shock was severe in the beginning, has learned to treasure them much more than even the toughest U.S. regular puzzles. Cryptic varietals are even more fun, to work on by oneself and as a team.

Nine sessions: Tuesdays, 2:30 - 3:40 p.m., June 7, 14, 21, 28; July 5, 12, 19, 26 and August 2

653 Birding by Ear and Eye

Join Dan Robbins for a birding walk on Oak Ridge's newest paved greenway (Melton Lake Phase 4). This 2.2 mile (4.4 mile round trip) walk is mostly level. The hike will start at the Edgemoor Bridge parking area (near the south end of Melton Lake Drive) and extend to Solway Park. Those wishing to walk only one way can carpool to leave one car at Solway Park. Dan, an avid birder, will point out birds - by sight and sound - and habitat information along the way. Participants should wear comfortable walking shoes and bring binoculars.

Dan Robbins retired from B&W Y-12 in 2013 after 47 years of company service. At Y-12 he was the director of the analytical laboratories. He is a chemistry graduate of UNC, Chapel Hill and a Princeton PhD. He is the founding, and current, chairman of Greenways Oak Ridge, which has supported the development of greenways in Oak Ridge since 1993.

One session: Wednesday, 9:00 a.m. – 12:00 noon, June 8

Activities

Fees for activities should be paid by June 6 unless noted otherwise so that deposits may be made to vendors. Trips fees will NOT be refunded after the cancellation date.

711 Spallation Neutron Source

We have the opportunity to visit the experiment areas of the Spallation Neutron Source during a shutdown. **This tour will require a mile of walking.**

Participation is limited to United States citizens. Names must be provided by June 10, and a photo ID will be necessary.

Monday, June 27, 2016 9:20 a.m.—12:00 p.m.

Bus leaves at 9:20 a.m. SHARP from the flagpole at the RSCC parking lot.

Trip charge of $22 per person includes transportation and gratuities.

No refunds.

Trip leader is Bob Olson. Home phone 220-5186.
ORICL Cell Phone (865) 558-7413

REMEMBER!

Roane State Security will issue a $20 ticket if you are not parked in a legal parking space with a current ORICL hang tag on your rear-view mirror.

This means no parking in driving lanes, spaces marked "visitor", next to the curb, or "unpainted" parking spots. If you forget your hang tag (which enables you to park in the faculty lots A and B), you will need to obtain another parking sticker in the office. If you are new to ORICL, come by the office to get a hang tag if you would like to take advantage of this benefit.

Your current parking permit is valid until the beginning of Fall semester 2016.

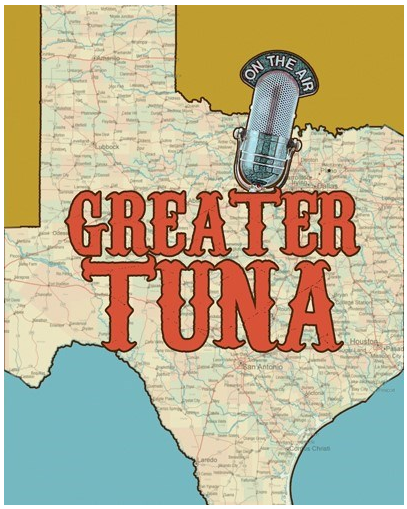
712 Art, BBQ, and Comedy in Abingdon

Travel with us to Southwest Virginia for a fun day in Abingdon. Our first stop will be the William King Museum of Art in downtown Abingdon where we will have a docent led tour. The Museum is

the premier visual arts facility in the region, offering outstanding fine world art, contemporary regional art, and cultural heritage exhibits that change frequently. Founded in 1989 and housed in a historic 1913 former school, the William King Museum of Art has been an integral part of the cultural fabric of Southwest Virginia and beyond for over 20 years and is Virginia's only nationally accredited museum west of Roanoke.

After our tour, we will go across Main Street to the old hardware store which is now the Bone Fire Smokehouse BBQ where we will enjoy a delicious barbecue lunch. The 1917 Withers Hardware building where Bone Fire's is located is owned by Doug Beatty, former owner of Barley's Tap Room in Knoxville. Beatty was the winner of *"Best Ribs in America"* in 2009 on Regis and Kelly's *"Great American Grill Off."*

After lunch, we will be ready for laughs at Barter Theater Stage II when we travel to Tuna, Texas in the Barter production of "Greater Tuna." Barter's synopsis of the play says, "*What do Arles Stuvie, Thurston Wheelis, Aunt Pearl, Petey Fisk, Phineas Blye and the Reverend Spikes all have in common? They are your favorite, upstanding citizens from the "third smallest town in Texas." In Tuna, Texas the Lions Club is too liberal and Patsy Cline never dies. As the citizens of Tuna parade across the stage in all their outrageous and irreverent glory, this eccentric gathering of oddball characters is guaranteed to make you laugh until your sides split."*



As we will be touring the art gallery, there will be a great deal of walking. Also, there will be a few steps required to navigate to our seats at the playhouse, but some will be available on the front row for those who need it.

Thursday, July 28, 8:00 a.m.-8:00 p.m.

Bus leaves at 8:00 a.m. SHARP from the flag pole in the RSCC parking lot.

Trip leader is Melanie Harless.

Trip charge of $90 includes transportation, dinner, play, and all gratuities.

No Refunds

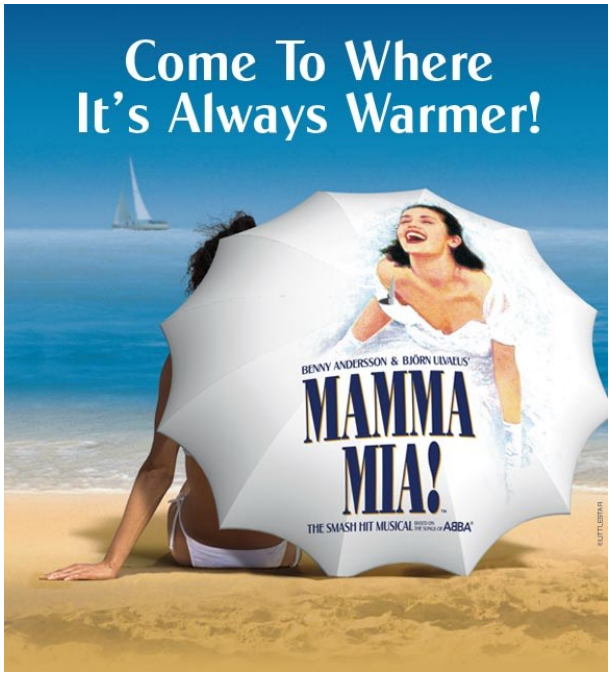
ORICL Cell Phone (865) 558-7413

713 Cumberland County Playhouse – *Mamma Mia!*

Enjoy a great day at the Cumberland Mountain State Park Restaurant and the Cumberland County Playhouse to see the musical performance of *Mamma Mia!*

We will start our day with a buffet lunch at the Cumberland Mountain State Park Restaurant where the food is always good and plentiful. After lunch, we will head over to the Cumberland County Playhouse to enjoy the smash hit musical, *Mamma Mia!*

Writer Catherine Johnson's tale is set in a stunning Greek island paradise. Straight from Broadway, over 60 million people all around the world have fallen in love with *Mamma Mia!* On the eve of her wedding, a daughter's quest to discover the identity of her father brings 3 men from her mother's past back to the island they last visited 20 years ago. The magic of ABBA's timeless songs propels this enchanting tale of love, laughter and friendship.



It will be a wonderful day with good food, good entertainment, and good friends. Why not join us?

Thursday, August 11, 2016, 12:00 p.m. – 6:45 p.m.

Bus leaves at 12:00 p.m. SHARP from the flagpole at the RSCC parking lot.

Trip leader is Sue Frederick. Assistant trip leader is Nancy Burwell.

Trip charge of $80 includes transportation, meal, admission, and gratuities.

Last day to cancel with refund is Friday, July 1.

ORICL Cell Phone (865) 558-7413

IMPORTANT!!! PLEASE READ!

We want members to take classes and trips with friends, spouses, and significant others as they wish, but **both of you** must sign up for the class or trip **on the same line on both registration forms** or the lottery cannot pair you up for the class or trip!

714 The Tennessee Aquarium and River Gorge Explorer

Join us for a day in Chattanooga learning about some of the wildlife on our great planet!

The Tennessee Aquarium is home to the most diverse gathering of freshwater animals in the country. Located on the banks of the Tennessee River, the Tennessee Aquarium takes you on a remarkable journey from the mountains to the sea to meet amazing animals up close.

The Aquarium is comprised of two buildings, the River Journey and the Ocean Journey buildings. Inside the River Journey building, visitors are delighted by feisty river otters, colorful frogs, amazing turtles and freshwater fish species such as beautiful trout, giant catfish and prehistoric-looking sturgeon. While exploring Ocean Journey, guests come face to face with big, toothy sharks, beautiful butterflies, playful penguins, mesmerizing jellyfish and thousands of colorful reef fish.

Lunch will be at STIR, a new Chattanooga restaurant receiving excellent reviews.

After lunch, we will cruise into a natural wonder aboard the Aquarium's sleek boat, the River Gorge Explorer. This high-tech vessel will transport you at speeds up to 50 miles per hour downstream from the Chattanooga riverfront into the scenic Tennessee River Gorge. The two-hour adventure is led by an Aquarium naturalist who will point out wildlife and historic points of interest along the way.

Four water jets propel this high-tech catamaran, the first of its kind in the Southeast, smoothly downstream. Angled seating allows each guest to relax in the climate-controlled cabin and enjoy the scenic beauty and wildlife through oversized windows and overhead sky panes.

Tuesday, July 12, 2016, 7:30 a.m. – 7:30 p.m.

Bus leaves at 7:30 a.m. SHARP from the flagpole at the RSCC parking lot.

Trip leader is Laura Bowles.

Trip charge of $125 includes transportation, admission fees, lunch, and gratuities.

No Refunds.

ORICL Cell Phone (865) 558-7413

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THANKS!

Eagle-eyed proofreaders of the preprinted catalog are Murray Martin, David Smith, Nancy Basford, Barbara Landau, Susan Frederick, Tom Golson, Laura Bowles and Melanie Neal.
Graphics in this issue were obtained from clip art and the Internet. Laura Bowles and Melanie Neal typed in all the data and formatted and edited the catalog.

Information about ORICL

Oak Ridge Institute for Continued Learning is sponsored by Roane State Community College. ORICL is administered by a board elected by the members. Roane State provides classrooms, an office, and administrative support.

Residents of Oak Ridge and the surrounding area of all backgrounds and educational levels are invited to become members of ORICL. Its programs are designed to respond to the interests of the participants, who may take courses and join in other activities.

In order to attend classes and activities, it is necessary to join the Institute as a dues-paying member. The fee for membership is $100 for the full year's three terms beginning in September; $80 for two terms beginning in January; and $45 for the summer term only. **We need two separate forms from couples, even if both wish to take the same courses.** During early registration, members are entitled to choose up to five classes each term plus five field trips. If a course or trip is oversubscribed, a random selection will determine who is admitted. Participants are asked not to arrange substitutes for trips or classes, as we may have waiting lists of people who would be called for those spots.

Out-of-town guests can be class visitors for one session on a space-available basis. Call the office for availability, as seating space is sometimes limited. **For trip participation, however, <u>you must be an ORICL member</u>.**

Classes and activities for the Summer 2016 term begin on Monday, June 6th and end on Friday, August 5th. After the close of early registration on May 11th, we will tally the registrations received, and a week before the term begins send acknowledgements indicating courses and trips in which you are enrolled, class locations, and those programs for which you are on a waiting list. Registrants will be notified by phone if a space becomes available in an activity for which they are on a waiting list.

Some courses, such as computers, cooking, and art, may entail additional fees for use of equipment, materials, and transportation, which are non-refundable a week before class begins. Trip fees are non-refundable after the listed date. After receipt of acknowledgment that you are assigned to that class or trip, please send fees to the ORICL office by the dates stated.

After May 11th, all registrations will be processed on a space-available basis. Members who wish to take more than ten classes may register for additional classes at that time.

<u>Please note</u>: Every new member registering for Summer 2016 must pay the $45 registration fee. We cannot process your registration without the accompanying fee.

ORICL - Enriching Lives Through Continued Learning

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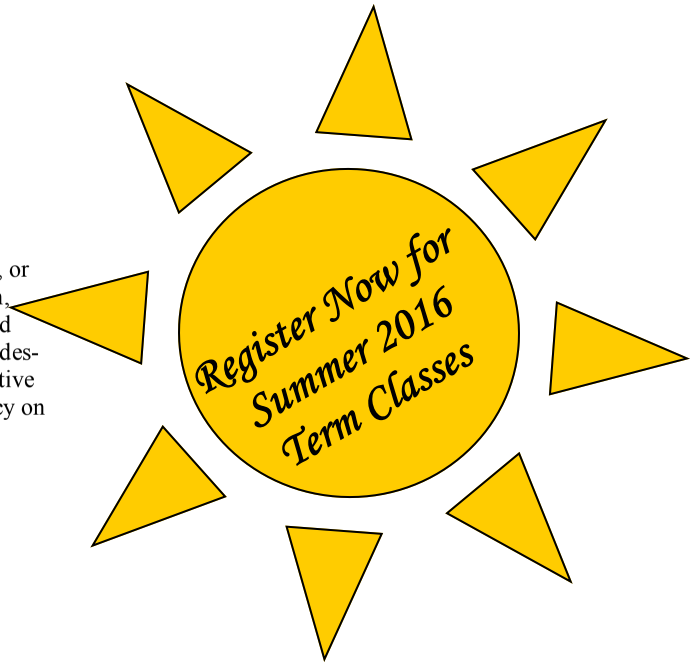
Oak Ridge, TN 37830
Phone: (865) 481-8222

Web page:
Roanestate.edu/oricl

Email: oricl@roanestate.edu

Office Hours:
Monday – Friday
9:00 a.m. to 12:00 p.m.; leave a message at other times.

Laura Bowles, Administrator
Melanie Neal, Assistant Administrator

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