Osher Lifelong Learning Institute

Non-credit short courses, lectures, study trips, and special events for adults aged 50+

ncsu.edu/olli
919.515.5782
What is the Osher LLI?
The Osher Lifelong Learning Institute at NC State (OLLI) provides noncredit courses, study trips, and special events for adults aged 50+. Founded in 1991 as the Encore Program for Lifelong Enrichment, we changed our name in 2014 to reflect our connection to the Osher Lifelong Learning Institute Network, a group of over 100 lifelong learning institutes that have received support from The Bernard Osher Foundation.

Membership is at the core of our program, and we rely on members taking an active role, whether in the classroom or behind the scenes helping us design the program. Part of what makes our learning community special is the exchange of ideas in the classroom from those with diverse backgrounds. Our instructors volunteer in order to keep your fees low, and they find it rewarding because of this rich learning atmosphere. Since our classes are noncredit, the only prerequisite is a desire to learn. There are no tests or grades, and homework is optional! Members also have the chance to participate in extracurricular special interest groups, which are completely member-organized. Most classes are held at NC State’s McKimmon Center for Extension and Continuing Education, which is easily accessible and has ample free parking. We hope you will join our community of learners!

OLLI Fall Sneak Peek and Ice Cream Social
Do you want to learn more about OLLI's new fall courses and new instructors? Do you want the chance to meet these instructors and visit with your fellow members while enjoying NC State's Howling Cow ice cream? Our annual ice cream social previews the fall lineup and gives you the chance to catch up with your OLLI friends. If you are new to OLLI, you'll have the opportunity to meet staff and get a sense of the program before our Open House in September.

This event is free, but you must register. Support for this event is made possible by The Bernard Osher Foundation.
Course #: LLI-4-050-003
Date: Tuesday, August 13  Time: 2:00 - 3:00
Location: McKimmon Center
Room: TBD, check lobby monitors
Registration Deadline: August 9

We thank the following generous sponsors for their support of OLLI:

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Learn more about our sponsors at www.ncsu.edu/olli
Monday

Battles of the American Revolution - 1776

Join us for the second of an ongoing series of courses about the battles of the American Revolution. We are exploring the battles of the Revolution as they occurred, year by year. This course will cover the battles of 1776. Some of these you may be familiar with, including Moore Creek, Long Island and Trenton; but, there are dozens more, including the 2nd Cherokee War, the Bahamas, Sullivan's Island, and White Plains! Join us in the exploration of why the men and their leaders met on the fields of strife to help and/or resist giving birth to a new nation. (Enrollment in the previous course in this series is not a prerequisite to enroll in this course.)

Instructor: Dave Milidonis; founder and managing director of the nonprofit organization, the National Veterans History Archival Institute (NVHAI); 1974 graduate, U.S. Military Academy, West Point; 20 years U.S. Army infantry experience; veteran OLLI instructor.

Course #: LLI-1-366-001
Six Sessions: 9:00 a.m. - 10:30 p.m.
Sept. 16, 23, 30, Oct. 7, 14, 21
Limit: 58 Location: Room 11/12
Fee: $55.00

Find Your Inner OLLI - Teach the Class You Were Meant to Teach

Are you passionate about a subject that you'd like to share with OLLI members but don't have much teaching experience? Have you taught university courses to 18- to 22-year-olds but want to adapt your material to meet the learning needs and styles of an older audience? Then this two-session course is for you. We’ll cover the techniques you need to become a successful OLLI instructor, from understanding your audience to structuring your content, to managing discussion and using appropriate classroom technology. OLLI Program Manager Kimberly Little will join us on Oct. 21 to discuss the role of the Program Committee and how to develop a class or lecture.

Instructor: John Luecke; Bachelor's and Master's in Communication, University of Wisconsin-Madison; worked in private industry before transitioning to teaching; earned intercultural studies certificates from the University of British Columbia, Intercultural Communication Institute; taught at the University of Wisconsin-Whitewater, participating in travel study programs to Russia, Finland, Sweden, Norway and Spain; taught communication at High Point University; taught at the NC State Prague Institute in 2014; currently offers intercultural training to expat managers in various international corporations; veteran OLLI instructor.

Course #: LLI-2-083-004
Two Sessions: 9:00 - 10:30 a.m.
Oct. 14, 21
Limit: 24 Location: Room 13
Fee: $0

Understanding Dementia and Alzheimer's Disease

What is the difference between Alzheimer’s disease and dementia? Is Alzheimer’s a disease something only older people get? How do I interact with a confused loved one? What can I expect after a dementia diagnosis? Over five million Americans are estimated to have Alzheimer’s disease today. The number of Americans diagnosed with Alzheimer’s disease and related dementias will grow steadily each year as our aged 65 and older population continues to increase. With 10,000 people turning 65 each day, it is important we discuss the answers to these often-asked questions.

This short course will explore different types of dementia, the “typical” progression of Alzheimer’s disease, and how to improve communication and interactions with someone with dementia throughout their disease.

Instructor: Lisa Levine; BS, Psychology; Director of Education, Dementia Alliance of North Carolina; responsible for educational outreach to families, professionals, clergy, and law enforcement through community workshops, regional conferences, health and wellness education, community awareness programs, and professional in-service training; provides support, services, and resource information to people with dementia and both family and professional caregivers.

Course #: LLI-2-041-003
Three Sessions: 10:45 a.m. - 12:15 p.m.
Sept. 16, 23, 30
Limit: 58 Location: Room 11/12
Fee: $40.00

Before you register . . .

Thanks to the excellent work of our Program Development Committee, we are offering more classes, lectures, and study trips than ever before! As you choose from over 100 offerings this fall, please be aware that classes, lectures, and study trips overlap in time. We suggest you double-check the dates and times of your choices before finalizing your registration. Fees apply if you find that you later need to cancel or switch classes.

Learning to Love the “New” School Mathematics

Delve into today’s elementary school mathematics to develop a deeper understanding of how this subject has changed. You will revisit some big ideas in arithmetic to appreciate what your grandchildren are learning today. Activities are planned for each session that will engage you in problem solving and mathematical reasoning to be shared later with your grandchildren or others. In this interactive class you will gain insights into how to help your grandchildren have fun with mathematical ideas that align with the new NC Math
Curriculum. Clarifying questions are always welcome. **Instructor:** Sarah Burke Berenson; PhD, Mathematics Education, Florida State University; BS, Secondary Math/Science Education, University of Massachusetts – Boston; Professor of Mathematics Education for 27 years at NC State and UNC-G; Holladay Medalist; retired.

**Course #:** LLI-2-168-001  
**Three Sessions:** 10:45 a.m. - 12:15 p.m.  
**Limit:** 24  
**Location:** Room 13  
**Fee:** $40.00

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**Field Marshall Sir John Dill: Bridging Anglo-American Conflicts**

At the time of Dunkirk, FM John Dill was Britain’s top army officer. Just before Pearl Harbor, Prime Minister Winston Churchill sacked him for what he felt was Dill’s ineptness. However, when the Combined Anglo-American Chiefs of Staff committee was created as the principal Allied war planning organization, Dill was made a full committee member. In that position he functioned, as one historian said, on the “dangerous edge of Anglo-American relations [attempting to resolve recurring conflicts] of command and control.” Amidst conflicts and frequent distrust between British and American war planners and commanders, Dill formed relationships and devised means that dampened conflicts and promoted agreements. His work helped enable the joint Anglo-American war effort to become history’s most important and successful military alliance. President Roosevelt described Dill as “the most important figure in the remarkable accord which has been developed on the combined operations of our two countries.”

**Instructor:** John Matthews; BS, Adelphi University; PhD, Psychology, Duke University; taught and studied 20th Century American History; associate of both the Marshall Foundation and The Roosevelt Institute; in cooperation with Steve Ambrose, John has conducted oral history interviews with D-Day participants and members of the French resistance.

**Course #:** LLI-2-175-001

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**Two Sessions:** 10:45 a.m. - 12:15 p.m.  
**Oct. 7, 14**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $30.00

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**Enslaved Runaways--Resistance and Freedom Seeking in North Carolina**

History has well documented the courageous and determined efforts of pre-Civil War era enslaved African Americans to find freedom in North Carolina. This two-session course will examine evidence of slave resistance at both the Stagville State Historic Site and statewide.

- **Sept. 16:** Stagville was part of one of the largest plantations in NC and over 900 individuals were enslaved there. Today the Stagville State Historic Site researches and teaches about the lives, work, and culture of enslaved people on the land. This lecture will explore the everyday and dramatic ways that people resisted slavery, drawing on oral history, archaeology and the “Cameron Family Papers” archived at UNC-Chapel Hill.

**Presenter:** Vera Cecelski; public historian and the site manager of Stagville State Historic Site. A Durham native, her work focuses on best practices for interpreting the history of slavery at historic sites.

- **Sept. 23:** Between 1775 and 1840, runaway slaves in North Carolina were separated from their families and many thought to be “disappeared.” This lecture will use 18th- and 19th-century newspaper advertisements for lost slaves to trace the origins, growth and distribution of the African American population. It will be an attempt to resurrect slave personalities, examine physical qualities, destinations, rewards and motivations for absconding.

**Presenter:** Freddie L. Parker; M.A., North Carolina Central University; PhD., UNC-Chapel Hill; Professor Emeritus, Department of History, North Carolina Central University

**Course #:** LLI-2-177-001  
**Two Sessions:** 1:15 - 2:45 p.m.  
**Sept. 16, 23**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $30.00

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**BE A CLASS HOST!**

Class hosts make brief announcements, assist the instructor with the audio-visual equipment and serve as liaison between the class and the OLLI office. Call us if you would like to host a course in which you are enrolled. It’s a great way to get to know instructors and fellow OLLI students.

**Improv Comedy**

Have you ever wanted to perform, but don’t have the time or the energy to audition for a play? Do you want to sharpen your communication, listening and memory skills? If you answered “yes” to any of these questions, then this class is for you. At its core, improvisation focuses on “living in the moment” and “saying yes.” It promotes paying attention, connecting with a partner, and understanding body language. Over two classes, we will explore the fundamentals of improv comedy through interactive activities.

**Recommended:** Truth in Comedy, Charna Halpern; The Moth Storytelling podcast.

**Instructor:** Amy Sawyers-Williams; Master’s Degree, Applied Theatre, The City University of New York; oversees arts outreach and engagement at Arts NC State; founding artistic director of See Saw Projects, a new applied theatre company in the Triangle; has over ten years of professional experience performing and teaching improv, theatre, and storytelling.

**Course #:** LLI-2-178-001  
**Two Sessions:** 10:45 a.m. - 12:15 p.m.  
**Oct. 7, 14**  
**Limit:** 24  
**Location:** Room 13  
**Fee:** $30.00
Three Heroines: Harriet Beecher Stowe, Pauli Murray and Fannie Lou Hamer

The class will explore the lives and thoughts of three heroines of faith, justice, and compassion: Harriet Beecher Stowe, who awakened and mobilized multitudes to the anti-slavery cause in the nineteenth century and who moved churches toward a more democratic and compassion-centered Christianity; Pauli Murray, an activist, writer, lawyer and priest, who pioneered efforts against Jim and Jane Crow and who was the first African-American woman to be ordained in the Episcopal Church; and Fannie Lou Hamer, Mississippi sharecropper who became one of the brightest lights of the Civil Rights movement and leader of the Mississippi Freedom Democratic Party.

Recommended: A list of readings can be found online under course listing.

Instructor: Collins Kilburn; Executive Director Emeritus, North Carolina Council of Churches, served for over 30 years; began ministry in 1960 at Raleigh’s Community United Church of Christ, was at the intersection of religion and politics, relating religious insights to issues of peace and social and economic justice; graduate of Duke Divinity School.

Course #: LLI-1-261-002
Six Sessions: 1:15 - 2:45 p.m.
Sept. 16, 23, 30, Oct. 7, 14, 21
Limit: 24 Location: Room 13
Fee: $55.00

Great Books: "Great Conversations 4"

Join us for great conversations about classic texts. Our readings will be from Great Conversations 4, an anthology compiled by the Great Books Foundation. The course spans two terms to allow time for thoughtful reading between sessions. Our schedule:

- Sept. 23: Plutarch, Life of Nicias
- Oct. 7: Heinrich von Kleist, The Chilean Earthquake
- Oct. 21: Henry David Thoreau, Where I Lived, and What I Lived For (selection, from Walden)
- Nov. 4: Matthew Arnold, Culture and Anxiety (selection)
- Nov. 18: William James, Pragmatism: A New Name for Some Old Ways of Thinking (selection)
- Dec. 9: George Bernard Shaw, Major Barbara

Required: Great Conversations 4; purchase from the Great Books Foundation bookstore for $24.95 (store.greatbooks.org). Enroll in this course only if you are willing to complete the readings and actively participate in class discussions.

Instructor: John Pilgrim; PhD, Economics, Vanderbilt University; BA, Economics, Grinnell College; professor of economics for 35 years, now retired; has taught various economics-related OLLI courses; facilitates the OLLI Great Books discussion group; veteran OLLI instructor.

Course #: LLI-1-379-001
Six Sessions: 3:00 - 4:30 p.m.
Sept. 23, Oct. 7, 21, Nov. 4, 18, Dec. 9
Limit: 24 Location: Room 13
Fee: $55.00

Fair Trade in Developing Countries

Fair trade is a trading practice that emphasizes relationships, fair wages, and ending poverty over large profits. We will explore how fair trade impacts the lives of artisans and farmers, helps women earn wages that limit their vulnerability to human trafficking, makes a positive difference in towns and villages, and helps to keep children in school.

Instructor: Kristine Ashwood, Director, Ten Thousand Villages.

Course #: LLI-2-180-001
Two Sessions: 1:15 - 2:45 p.m.
Sept. 30, Oct. 7
Limit: 58 Location: Room 11/12
Fee: $30.00

Prohibition and the "Tyranny of Drink"

American adults were consuming an average of 7 gallons of alcohol annually by 1830. Compare that to today -- in a culture enamored with specialty cocktails and craft beer, when the average is only 2.5 gallons -- and the fervent dedication to ending “the tyranny of drink” becomes clear. Armed with arguments about the destruction alcohol brought to individuals, families, and society at large, a growing army of temperance and prohibition activists labored to break down the public’s love affair with alcohol beginning in the mid-19th century, achieving ratification of the 18th Amendment in 1919. This course will examine the people and methods of the Prohibition movement on state and national levels, with attention to its political, social, and economic dimensions.

Instructor: Angela Robbins; PhD, U.S. History, UNC-Greensboro, minor in Atlantic World Studies; Associate Professor, Meredith College; she specializes in women’s history and social movements in the 19th and 20th century.

Course #: LLI-2-187-001
Two Sessions: 3:00 - 4:30 p.m.
Oct. 14, 21
Limit: 58 Location: Room 11/12
Fee: $30.00

"OLLI has such a wide variety of subjects so it’s fun to take something you wouldn’t normally seek out. The classes make you think!"

The History of Architecture

This course is an introduction to the history of architecture. Sites, buildings, materials and techniques will be addressed. The six session topics will be Classical architecture, Islamic architecture, Asian architecture, European architecture, American architecture and Modern/Post-Modern architecture. In each topic area there will be a selection of “typical” examples, and one or two especially important examples that will be examined in greater detail.

Instructor: Dr. Harry Titus; educated in Art and Architectural History at the University of Wisconsin-Milwaukee and at Princeton University, where

Monday - Tuesday
Discovering the Dead at Oakwood Cemetery

Join historian Bruce Miller and Robin Simonton, Executive Director, Historic Oakwood Cemetery, for an engaging course about the lives of our famous (and infamous) permanent residents. Along the way, we’ll learn about the history of cemeteries, monument art and symbolism, and the history of those who lived in our community. This course will be held on the grounds and in the mausoleum, so be prepared for some weeks with lots of walking and standing. With 144 years spread out over 72 acres, we’ll learn a lot.

Instructors: Bruce Miller; AB, Dartmouth College; MA, UNC-Chapel Hill; former teacher/administrator Ravenscroft School; history teacher at Deerfield Academy; authored Oakwood to Oakwood, Volumes 1 & 2; co-authored Images of America: Historic Oakwood Cemetery with Robin Simonton, 2017; Robin Simonton; Executive Director of Historic Oakwood Cemetery since 2011; BA, U.S. History, University of Hawaii; MA, Historical Administration, Eastern Illinois University; served as researcher of the book Oahu Cemetery: Burial Ground & Historic Site, by Nanette Napoleon in 1997; co-authored Images of America: History Oakwood Cemetery with Bruce Miller, 2017.

Course #: LLI-1-372-001
Six Sessions: 9:00 - 10:30 a.m. Sept. 17, 24, Oct. 1, 8, 15, 22
Limit: 58 Location: Room 11/12
Fee: $55.00

George C. Marshall: American Icon and Statesman

This course will include discussions of George Marshall’s life, character, and contributions to the nation. Born in 1880, Marshall was a superb soldier who epitomized the ideal of the citizen-soldier. We will discuss his early years in Uniontown, PA, his college years at VMI, and his service at home and abroad, including France in World War I. We will highlight his service as Army Chief in World War II, his role as a mediator between Communist and Nationalist Chinese factions in 1946, service as Secretary of State including the Marshall Plan, and finally service as Secretary of Defense. Above all we will focus on Marshall as a selfless servant of the nation in peace, war and diplomacy.

Instructor: Mike Flynn; Army officer with over 30 years of service including Army War College and service at Army Headquarters as Army Secretary for Joint Affairs in the Army Operations Directorate; OLLI member.

Course #: LLI-1-357-001
Six Sessions: 10:45 a.m. - 12:15 p.m. Sept. 17, 24, Oct. 1, 8, 15, 22
Limit: 58 Location: Room 11/12
Fee: $55.00

Women and Men in Conversation: Communication and Gender

Popular television shows and dozens of advice books promise to help you communicate better with the “opposite sex.” Are women and men as different as these pop psychologists claim? In what ways are we similar and different, and how can we use our understanding to better communicate with one another in our personal and professional lives? In this course, we will explore the intersections among communication, gender, and culture in an attempt to better understand ourselves and others and strengthen our effectiveness as communicators.

Instructor: Rebecca Leonard, PhD; Associate Professor Emerita of Communication at NC State; member of the NC State Academy of Outstanding Teachers; twice received the Outstanding Teacher Award from the Department of Communication; veteran OLLI instructor; OLLI member.

Course #: LLI-1-084-003
Six Sessions: 10:45 a.m. - 12:15 p.m. Sept. 17, 24, Oct. 1, 8, 15, 22
Limit: 24 Location: Room 13
Fee: $55.00

“OLLI makes me a more interesting and well-rounded person.”

The Challenges of Feeding the World

Providing a growing world population with adequate food is a major challenge. In 2017, an estimated 820 million people lacked sufficient food. This course will highlight some of the research being conducted at NC State that is helping to address the global problem of food insecurity.

• Sept. 17: A new wave of university research is focusing on the question of how to sustainably produce affordable and nutritious food of sufficient quantity to meet the needs of our growing global population. Global food and nutrition security has four dimensions that encompass both chronic and transitory situations: availability, access, utilization, and stability. We will discuss how universities such as NC State are uniquely positioned to implement initiatives involving research and technological innovations, engage with local communities and outside partners, and educate students to be the next generation to increase yield, profitability, and environmental sustainability simultaneously.

Presenter: Dr. Bob Patterson; Alumni Distinguished Professor of Crop Science, Dept. of Crop and Soil Sciences, NC State

• Sept. 24: The culprit behind the 19th-century Irish potato famine was Phytophthora infestans, a fungus-like microorganism that causes the disease known as “potato late blight.” Research involving new genetic tools has enabled scientists to piece together the evolution of this pathogen and the history of its outbreaks in...
Ireland, which has implications for global food security by the use of genomic tools to track outbreaks. 

**Presenter:** Dr. Jean Ristaino; Professor, Entomology and Plant Pathology, NC State

- **Oct. 1:** This session will explore whether foreseeable changes in technology hold the promise to vastly increase food production. We will review past innovations and try to predict and explore useful trends that may allow us to preserve and distribute more food, so it is there when needed. **Presenter:** Dr. John Rushing; Professor Emeritus, Food Science, NC State

- **Oct. 8:** Livestock contribute high-quality foods for human nutrition, and many developing countries would benefit from increased animal production efficiency. This session will focus on how ruminant livestock can continue to contribute unique services to man while decreasing their environmental impact. **Presenter:** Dr. Matt Poore; Professor, Animal Science, NC State

- **Oct. 15:** This presentation will review NC State research that is advancing genomic-assisted breeding in potato and sweet potato. Dr. Yencho will share successes and challenges, and conclude with some thoughts on future training needs/methods for students interested in utilizing genomic-assisted breeding for cultivar development. **Presenter:** Dr. Craig Yencho; William Neal Reynolds Distinguished Professor, Horticultural Sciences, NC State

- **Oct. 22:** This session will discuss getting the economic incentives “right” and policy choices and priorities; it will provide examples of successful and unsuccessful policies for improving food production and availability. There will also be time to reflect and discuss lessons learned throughout the course. **Presenters:** Dr. Geoff Benson; Professor Emeritus, Agriculture and Resource Economics, NC State; Dr. George Wilson; Professor Emeritus, Horticultural Science, NC State

**Literature of Africa, Latin America, and the Black Atlantic**

This course will explore select fiction and poetry that is representative of post-colonial (20th century) Africa, Latin America, and the Black Atlantic. Beginning with Conrad’s ambivalences and equivocations regarding Empire, as well as Memmi’s and Fanon’s critiques of the Imperial imagination, the course will explore the dualities of Empire as lived experience foregrounded in works by such renowned writers as Ngugi WaThiongo, Jamaica Kincaid, J.M. Coetzee, and Pablo Neruda. The literature we will read and discuss finds special potency in the tropes and metaphors of gender and power to deconstruct the disorder of Western colonialism in the so-called “Third World” of the late 20th century. Structured around reading and discussion, this course is designed to be a stimulating book club for committed readers. 

**Required:** Heart of Darkness, Joseph Conrad; Pedro Paramo, Juan Rulfo; Weep Not Child, Ngugi Kincaid; The Autobiography of My Mother, Jamaica Kincaid; Disgrace, J.M. Coetzee; Selected Poems, Pablo Neruda (start reading these works before the first course session).

**Instructor:** Maria Roupail; PhD; Senior Lecturer Emerita of English at NC State; with decades of university teaching experience, Dr. Roupail has authored two collections of poetry; at work on her third, she is Poetry Editor of the literary magazine, Main Street Rag.

**Course #:** LLI-1-216-002

**Six Sessions:** 3:00 - 4:30 p.m.
Sept. 17, 24, Oct. 1, 8, 15, 22

**Limit:** 58 **Location:** Room 11/12

**Fee:** $55.00


One picture IS worth a thousand words. Even in this video age, single-shot photographs still retain the power to commemorate and celebrate life. This course will take you on a grand tour of photographs that have enlightened, entertained, and energized viewers over 100 years. Exhibited photographer Larry Bliss will curate images of people, current and historical events, sports, celebrations, and art for art’s sake. He will provide background information
on each photograph and then ask for your reactions. Pre- and post-session emails will preview upcoming images and suggest resources for further exploration. Learners will see images from old and new masters such as Ansel Adams, Dorothea Lange, Richard Avedon and Annie Leibovitz.

**Instructor:** Larry Bliss; NC State alumnus, has participated in photographic exhibitions and solo shows; interest in photography began as a student in North Carolina. Has taught in the Department of History at NC State and has authored several books related to the history of North Carolina.

**Course #:** LLI-2-170-001

**Three Sessions:** 3:00 - 4:30 p.m. Oct. 8, 15, 22

**Limit:** 24

**Location:** Room 13

**Fee:** $40.00

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**Wednesday**

### The First Carolinians

This course will provide a historical overview of North Carolina from before European exploration through the American Revolution. Included will be discussions of native inhabitants, new arrivals, and the development and difficulties of the colony under the proprietary and royal governments.

**Instructor:** Joe Mobley; recently retired from teaching in the Department of History at NC State and has authored several books related to the history of North Carolina.

**Course #:** LLI-1-169-002

**Six Sessions:** 9:00 - 10:30 a.m. Sept. 18, 25, Oct. 2, 9, 16, 23

**Limit:** 58

**Location:** Room 11/12

**Fee:** $55.00

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**Do you prefer viewing your choices by calendar grid or subject area?** The Fall 2019 Semester is also available by day of the week or by subject on our website. Go to www.ncsu.edu/olli and choose “Programs.”

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### Is There an Electric Vehicle in Your Future?

Why would over 400,000 people put down a $1,000 refundable deposit on a vehicle that they had never seen, couldn’t test drive, and wouldn’t be delivered until two years later? Learn the good and bad points of electric vehicles from an owner’s perspective after driving an electric sedan for 12 months. What factors should you consider before purchasing an electric vehicle? What’s the difference between a hybrid, a plug-in hybrid, and a battery electric vehicle? How does the driving experience differ from a gasoline-powered vehicle? What options are available for charging? Are electric vehicles “environmentally friendly”? Learn about currently available electric vehicles and the ones anticipated within the next two years.

**Instructor:** Thomas Toms; BSEE NC State; IEEE & ISA; over forty years of experience as a design engineer in the fields of systems integration, man-machine interfaces, cyber security, process control, automation, and archiving of historical data.

**Course #:** LLI-2-167-001

**Two Sessions:** 9:00 - 10:30 a.m. Sept. 18, 25

**Limit:** 24

**Location:** Room 13

**Fee:** $30.00

### The Brain Broken Down: Insights from Neurology

After a basic introduction to the structure of the brain and its building blocks (neurons, glia, blood vessels, etc.), this course will “break down” our complicated brains to discuss specific aspects of brain function, as well as brains that have “broken down” due to neurological disorders. The goal of this course is to impart an appreciation for the complexity of everyday brain function, create an understanding of how we are all “different” neurologically, destigmatize neurological and psychiatric disorders, and promote metacognition (thinking about our thinking). The instructor plans to remain on site and be available for questions after each class.

**Instructor:** Dr. Eric Harris: PhD; Neuroscience, University of Virginia; over 40 years of neuroscience experience in academia, the pharmaceutical industry, and with FDA interactions related to neurological and psychiatric diseases and treatments; retired but still passionate about neuroscience and science education.

**Course #:** LLI-1-365-001

**Six Sessions:** 10:45 a.m. - 12:15 p.m. Sept. 18, 25, Oct. 2, 9, 16, 23

**Limit:** 58

**Location:** Room 11/12

**Fee:** $55.00

### Awakening the Sage Within

This course presents a profound new vision for growing older. Drawn directly from Zalman Schachter-Shalomi’s ground-breaking book, From...
Age-ing to Sage-ing, and developed by Sage-ing International (www.sage-ing.org), this program teaches a new way of living the second half of our lives, sometimes called conscious aging. This participatory group-learning course will begin the process of awakening the sage within by exploring: 1) our images of aging and the qualities of a wise elder; 2) spiritual growth -- lifelong learning and self-examination; 3) life review -- harvesting one’s legacy; 4) forgiveness work -- letting go of pain; 5) facing personal mortality; and 6) sharing our gifts of service and legacy.

Note: Please enroll only if you are willing to actively participate.

Recommended: Conscious Living, Conscious Aging, Ron Pevny; From Age-ing to Sage-ing, Zalman Schachter-Shalomi.

Instructors: Don Adams; 45 years as a practicing child & family psychologist; has also authored and taught intimate relationship skills workshops for couples, and men’s personal growth retreats during the last 20 years; certified Sage-ing Leader; OLLI member.

Stacy Grove; M. Div.; CSL-Yerusha; interfaith minister and spiritual director who facilitates conscious aging wisdom circles and sound healing programs; committed to serving persons seeking wholeness through deep inter-spiritual experiences.

Course #: LLI-1-082-003
Six Sessions: 10:45 a.m. - 12:15 p.m.
Sept. 18, 25, Oct. 2, 9, 16, 23
Limit: 24 Location: Room 13
Fee: $55.00

The Constitution – Malleable Document or Unsusceptible to Interpretation?

The U.S. Constitution establishes three independent, co-equal branches of government that are dependent on each other to properly function; their scope is very broad, including, but not limited to, the powers of taxation, free speech, due process, and government searches and seizures. Since its signing, the terms have been confronted with evolving morals, new technologies, and a continually changing political environment. This course will explore, debate, and discuss the intent of the original framers of the Constitution regarding its provisions and examine how the “original intent” of those provisions have been applied over decades. Discussions will focus on historical cases in which the original terms have been more broadly interpreted in light of evolving technologies, practices, and values. The springboard for discussions will be based on the U.S. Constitution, the Federalist Papers, and constitutional case decisions of the past. Your perspectives and input will be welcomed throughout the class.

Instructor: Steve Schanz; JD, Pepperdine Univ. Law School, LLM, Health Law from Loyola University-Chicago; has lectured and written extensively on health care issues, both nationally and internationally; has represented many physicians and health care entities in private practice.

Course #: LLI-1-355-001
Six Sessions: 1:15 - 2:45 p.m.
Sept. 18, 25, Oct. 2, 9, 16, 23
Limit: 58 Location: Room 11/12
Fee: $55.00

The Allied Victory Over the Nazis and the Immigrants Who Changed the World

Through PowerPoint, film clips, and information shared by a veteran guest speaker, you will learn about the extreme sacrifices made during World War II by both men and women. You will also develop a fuller understanding of the contributions made by foreign men and women towards the war and technology. When anti-Semitic polices spread throughout Europe, some of the greatest scientific minds of the 20th century immigrated to America. These immigrants became a driving force behind the development of the atomic bomb and nuclear energy. Following the war, Operation Paperclip brought Germany’s most brilliant rocket scientists to the States; they played a pivotal role in developing America’s missile defense and space program.

Instructor: Josh Quackenbush; Life Enrichment Director, Stoneridge

OLLI 101

We say that OLLI at NC State is member-based and member-driven. The program is a unit of NC State’s McKimmon Center for Extension & Continuing Education and part of the Osher Institute network. But what does all of that mean to how the program operates? This short course is your chance to “look under the hood” of OLLI at NC State. OLLI staff will explain why we do what we do the way we do it and how valuable member involvement/input is to keeping the program current and exciting.

Course #: LLI-2-192-001
Two Sessions: 1:15 - 2:45 p.m.
Oct. 16, 23
Limit: 24 Location: Room 13
Fee: $0, for OLLI members only.

Register online at www.ncsu.edu/olli
Independent Retirement Community; he has conducted extensive research in the National Archives and interviewed key people involved in the U.S. national defense and Kennedy space program; he has written feature articles for *World War II History* magazine and former *Apex Herald* newspaper.  

**Course #**: LLI-1-363-001  
**Six Sessions**: 3:00 - 4:30 p.m.  
Sept. 18, 25, Oct. 2, 9, 16, 23  
**Limit**: 58  
**Location**: Room 11/12  
**Fee**: $55.00

### Finding the Artist Within

This interactive course will explore what it takes to be an artist (literary, visual, performing, and/or electronic media) and help you discover your secret reserves of talent and creativity, allowing your natural artistic expression to emerge. If you are an emerging artist already or an artist wanna-be or never thought you could be one, this course will give you the tools to unlock your creative soul. In this course, you will: 1) Learn what distinguishes an artist, talent, and creativity as well as what blocks it and allows for it; 2) Explore practices that can enhance your creativity and artistic expression; 3) Determine what and how you'd like to express yourself as an artist; 4) Decide what the next steps or avenues are available for you to take to make, market, or display your creative expression  

**Recommended**: A list of readings can be found online under course listing.  
**Instructor**: Penney De Pas; MA, Arts Administration, concentrating in art history; painter, dancer, and published writer; results and productivity coach, 2000-2017; created and delivered “Finding the Artist Within,” “Sustaining the Artist Within,” and/or “Stoking the Creative Fires” at Pullen Arts Center, Durham Arts Council, Visual Arts Exchange & Unity of the Triangle.  

**Course #**: LLI-1-369-001

**Six Sessions**: 3:00 - 4:30 p.m.  
Sept. 18, 25, Oct. 2, 9, 16, 23  
**Limit**: 15  
**Location**: Room 13  
**Fee**: $55.00

### Disaster or Opportunity: The Next Decade of Investing

Ten years ago, the financial system was near total collapse. World-wide unemployment soared. Millions lost their homes to foreclosure. Since that time, new economic forces and players have led the financial world to the longest recovery in history. Since these forces will continue to shape the economic and investment opportunities for the next decade or more, attention should be paid. This course will examine the investment opportunities as the world population ages, national debts soar, and new technologies rise from the tech and financial booms and busts. What are the implications of artificial intelligence, genetic engineering, robotics, and blockchain on consumers and investors? A $1,000 investment in Netflix 10 years ago would be worth approximately $51,000 today. The same investment in GE would be worth $490. The next decade could present some of the greatest opportunities for wealth creation of our lifetime for those who get it right. For those who miss out, the next decade could be as difficult as the previous one.  

**Instructor**: Emlyn Koster; PhD, Geology, University of Ottawa; former CEO of Royal Tyrrell Museum of Paleontology and Ontario Science Centre, Liberty Science Center in the NY-NJ region, and NC Museum of Natural Sciences; adjunct professor in MEAS Department at NC State; Ambassador for International Coalition of Sites of Conscience; his unusual integration of the geological and museological professions has been recognized through peer awards, media coverage, and conference keynote presentations.

**Course #**: LLI-2-179-001  
**Three Sessions**: 9:00 - 10:30 a.m.  
Oct. 10, 17, 24  
**Limit**: 58  
**Location**: Room 11/12  
**Fee**: $40.00

### Vulnerable Populations: Martyrs on the Altar of Science

Systematic racism has been part of the structural framework for American history over the past 400 years. The Tuskegee Syphilis Study, the “Acres of Skin” Holmesburg Prison Human Experiments, and the Jewish Chronic Disease Study are examples of medical research abuses inflicted on minorities. This pattern has resulted in an ongoing deep mistrust of medical science and research. This

### Nature and Science Museums: Past, Present and Future

The word “museum” originates with the Muses in Greek mythology. It reminds us how reflection is a route to inspiration. First museum visits typically spawn lifelong memories. Today, museums cover a range of subjects -- natural history, human history, art, science and technology, children’s interests -- as well as those delving into narrower topics. Each has a broadening toolkit for the services they provide and the external contexts to which they relate. Increasingly, the museum sector -- and the eclectic profession that propels it -- is mindful of its need to be relevant to the challenges and opportunities facing humanity and environments, both locally and globally. This course aims to integrate your experiences and outlooks, and illuminate the past and present of nature and science museums, with an emphasis on the need for these institutions to be future-minded and meaningful resources for all in their communities.  

**Instructor**: Richard Richardson; Private Wealth Advisor, Certified Financial Planner, Chartered Financial Consultant, and Accredited Portfolio Management Advisor; Managing Principal, Richardson Private Wealth Advisors; veteran OLLI instructor.

**Course #**: LLI-2-182-001  
**Three Sessions**: 9:00 - 10:30 a.m.  
Sept. 19, 26, Oct. 3  
**Limit**: 58  
**Location**: Room 11/12  
**Fee**: $40.00
course will examine: 1) the definition of “vulnerable populations;” 2) the impact of slavery, Jim Crow, Native American genocide, and immigration restrictions; 3) horrific abuses of individual rights and human dignity in the name of furthering scientific knowledge; 4) how research atrocities resulted in a framework of legal, ethical and regulatory protections governing the conduct of safe and ethical human research; and 5) the risks and rewards of taking part in research studies and clinical trials.

**Recommended:** A list of readings can be found online under course listing.

**Instructor:** Mark Long, MPA, University of Georgia; worked for 38 years in public health and research oversight for the Centers for Disease Control & Prevention, The University of Medicine & Dentistry of New Jersey, St. Jude Children's Research Hospital, and in the Department of Veteran Affairs.

**Course #:** LLI-1-359-002
**Six Sessions:** 10:45 a.m. - 12:15 p.m.  
Sept. 19, 26, Oct. 3, 10, 17, 24
**Limit:** 58  
**Location:** Room 11/12
**Fee:** $55.00

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**The Surgeons:**

**Life on the Edge**

Repairing wounds and stopping blood loss was practiced from prehistory, but where did the idea of cutting on people come from? This course will take a brief trip through surgical history, starting with the chronological development of anatomy, control of blood loss, control of pain, and asepsis. We will then thematically follow the evolution of four surgical sub-specialties: plastic surgery, transplant surgery, heart surgery, and brain surgery. The concluding lecture will include a few speculations regarding the future of surgery.

**Instructor:** Jerry Swyers; BS, University of Florida; MD, University of Florida; specialty training in Internal Medicine, University of Florida; OB- GYN, Baylor College of Medicine; OLLI member and veteran instructor

**Course #:** LLI-1-380-001
**Six Sessions:** 1:15 - 2:45 p.m.  
Sept. 19, 26, Oct. 3, 10, 17, 24
**Limit:** 58  
**Location:** Room 11/12
**Fee:** $55.00

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**Immigration: Its History and Recent Developments**

Immigration is a hot topic these days. We hear and read about it throughout the media. The United States, a nation of immigrants, has gone through four major waves of immigration that shaped its culture and economy. We will examine those four waves, and the concurrent immigration laws and social and economic trends. We will also touch on legal issues surrounding immigration, from its history to recent developments and policies.

**Instructor:** Suzana Stoffel Martins Albano; LLM, Duke University; JD, Catholic University of Santos, Brazil; attorney who has practiced immigration, family law, international law, and contracts in both Brazil and in the U.S.; she enjoys teaching not only legal topics, but also English, and sociocultural subjects.

**Course #:** LLI-1-381-001
**Six Sessions:** 3:00 - 4:30 p.m.  
Sept. 19, 26, Oct. 3, 10, 17, 24
**Limit:** 58  
**Location:** Room 11/12
**Fee:** $55.00

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**Enroll Today!**

**Classes and trips fill quickly.**

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**Friday**

**The Wake County EMS System**

EMS has changed dramatically in scope and capability since its inception in the mid-1900s. What began as a process for merely transporting the sick and injured to a hospital to receive care has evolved into a system to bring progressive emergency medical care directly to the patient's side. In this course, we'll take a close-up look at the advanced clinical care provided by modern paramedics. We will delve into how EMS uses research and data collection to drive protocol, and we will get a hands-on look at some of the various vehicles and tactics Wake County EMS uses to respond to the ever-increasing and evolving demands of modern EMS response.

**Instructor:** Jeffrey Hammerstein; AAS, NC EMT-P, Assistant Chief, Wake County EMS; began with EMS in 1985, including 18 years working on an ambulance and 10 years as a supervisor; became Asst. Chief in January 2014.

**Course #:** LLI-2-173-001
**Two Sessions:** 9:00 - 10:30 a.m.  
Sept. 20, 27
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $30.00

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**Hurdy Gurdy: Instrument of Monks, Beggars and Royalty**

The hurdy gurdy is one of the longest lived instruments in music; its history will be described from the 10th century to today, using iconography, writings and extant instruments. Images and audible examples will illustrate, along with a demonstration on a hurdy gurdy by the instructor.

**Instructor:** John Montgomery; Bachelor’s Degree, Lawrence University; trained violin maker at the Violin Making School of America in Salt Lake City and with William Monical in Staten Island; has been making, restoring and selling instruments and bows since 1983; member of the American Federation of Violin and Bow Makers; VSA, as faculty at the Oberlin Violin Making summer program and a violin making competition judge; Thomas J. Watson Fellow, having researched and built hurdy gurdies in France.

**Course #:** LLI-2-185-001
**Two Sessions:** 9:00 - 10:30 a.m.  
Oct. 4, 11
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $30.00
How Corn and Tomato Clubs Changed Rural America

Education in rural America was dismal in the early 1900s. It was characterized by mindless devotion to the classics and rote memorization. However, the emergence of Boys’ Corn Clubs and Girls’ Tomato Clubs changed schooling for the better. We will explore why the clubs came into existence, how education was enhanced, and how the clubs operated. It is somewhat fitting that the building in which we meet, the McKimmon Center, was named after the state leader of the North Carolina Girls’ Tomato Clubs.

Instructor: Dr. Gary Moore; Professor Emeritus, Agricultural and Extension Education, NC State University; member of the NC State University Academy of Outstanding Teachers; lecturer at the original Chautauqua Institution in New York, as well as other Chautauqua programs.

Course #: LLI-3-345-001
One Session: 10:45 a.m. - 12:15 p.m. Oct. 21
Limit: 58 Location: Room 11/12
Fee: $15.00
Registration Deadline: Oct. 18

Re-examining Frida Kahlo’s Self-Portraits in the Age of the Selfie

Taking selfies is routinely regarded as narcissistic, an act of self-obsession. Similarly, women who feature themselves at the center of their art, often via autobiography or self-portraiture, have had their work reduced to solipsistic conceit by their critics. Case in point: the infamous Frida Kahlo (1907-1954). Much of Kahlo’s art has been analyzed as a symptom of her turbulent private life, and not as evidence of her activism. To some degree, Kahlo’s paintings reflect the nationalist ideology of post-revolutionary Mexico that revered indigenous culture and tradition. However, her self-portraiture also undermines, complicates and resists these ideologies. Post-Revolutionary indigenismo attempted to cauterize the wounds of Mexico’s violent history, but Kahlo lets those wounds bleed. Through her investigation of her own subjectivity, Kahlo redefines what it means to be mestiza and might even encourage more contemporary audiences to reassess the strategic agency of the selfie.

Instructor: Corinne Andersen; Ph.D. in Comparative Literature from the University of Illinois with a Women’s Studies Doctoral Minor; Thesis...
Title: Representing the Subject: An Interdisciplinary Study of Women’s Autobiography, Self-Portraiture and Autoethography in the Twentieth Century. Professor of English at William Peace University since 2004.

Course #: LLI-3-358-001
One Session: 1:15 - 2:45 p.m.
Oct. 14
Limit: 58 Location: Room 11/12
Fee: $15.00
Registration Deadline: Oct. 11

What is America? Changing Maps of the U.S.
This lecture will be a quick tour of dozens of maps, showing the changing political landscape of the U.S. How were states carved out of territories and admitted? How was land on the borders and overseas acquired, purchased, seized? Why are there panhandles in Florida and Oklahoma, and why two Dakotas? What are the possibilities for new future states, from territories or from dividing current states? And is Alaska really half the size of the continental U.S. (as shown on many maps)?

Recommended: How the States Got Their Shapes, Mark Stein; How to Hide an Empire: A History of the Greater United States, Daniel Immerwahr.

Instructor: Alan Wood; M.Ed., UNC-Charlotte, B.A. Geography, UNC-Chapel Hill; OLLI member.

Course #: LLI-3-360-001
One Session: 1:15 - 2:45 p.m.
Oct. 21
Limit: 58 Location: Room 11/12
Fee: $15.00
Registration Deadline: Oct. 17

Learning Evolutionary Concepts Through "Star Trek"
Have you ever wondered why most alien life depicted on Star Trek strongly resembles us earthlings? This presentation will explore the possibility of humanoid or other forms of life on other planets. Drawing on relevant scenes from the series, Dr. Noor will present evidence for the existence of a common ancestor for life on Earth and will clarify misconceptions about evolutionary biology. He will discuss the science of evolution and how we might use modern evolutionary approaches to understand the origins of extraterrestrial life—if and when such life is found. This presentation will give you a better understanding of evolution, and, perhaps, a greater appreciation for Star Trek. It’s only logical.

Instructor: Mohamed Noor; PhD, University of Chicago, currently professor of Biology at Duke University. Research focuses on the evolutionary forces and genetic changes that cause new species to form. Teaches genetics and evolution on Coursera.

Course #: LLI-3-348-001
One Session: 3:00 - 4:30 p.m.
Sept. 16
Limit: 58 Location: Room 11/12
Fee: $15.00
Registration Deadline: Sept. 13

Reading "Eugene Onegin," Russia’s Greatest Hit
Although Dostoevsky and Tolstoy are arguably Russia’s best-known literary exports, most any Russian worth his or her salt will tell you that Alexander Pushkin is Russia’s greatest writer, and most will agree that Eugene Onegin is his masterpiece. How did this come to be? What explains the special place this fragmentary novel in verse holds in the hearts and imaginations of Russians and why is it said to be untranslatable? In spite of this putative untranslatability, how has the Onegin form traveled the world to inspire other great works, most notably Vikram Seth’s The Golden Gate? We’ll explore these and other questions referencing the translation by Falen.

Instructor: Clark Troy; PhD, CFP® earned his PhD in Russian Literature from Columbia University, after majoring in Russian at Yale. He taught Russian at both Columbia and Drew Universities before transitioning to a career in finance.

Course #: LLI-3-341-001
One Session: 3:00 - 4:30 p.m.
Sept. 13
Limit: 120 Location: OLLI - TBA
Fee: $15.00
Registration Deadline: Sept. 20

Aging: Living to the Edge of the Frame, Even as It Narrows
As we age, our abilities may decline. However, our lives need not become smaller. How do we continue to live a full life, even as the size of our frame diminishes? This presentation will feature stories of people who are doing just that and wisdom that has been gained through work as an elder consultant. The presenter hopes to expand, inspire and possibly re-frame how we approach aging.

Instructor: Liisa Ogburn; came to the career of elder consulting through the doorway of taking care of her in-laws, which she wrote about for the New York Times; she previously taught at Duke; currently writes on elder issues for WRAL and lectures widely.

Course #: LLI-3-359-001
One Session: 3:00 - 4:30 p.m.
Sept. 23
Limit: 120 Location: OLLI - TBA
Fee: $15.00
Registration Deadline: Sept. 20

The Origin of the Elements: Why We Are Made of Stardust
In the last 70 years, science has been able to understand, in general terms, the origin of the elements. Apart from hydrogen and helium, the elements have been created in stars; the dust from these stars is the raw material for newer stars and planets like the Sun and the Earth. While important details remain, the story of nucleosynthesis represents one of the greatest scientific discoveries of all time. This discussion will provide you with a basic background of the physics and astrophysics underlying this discovery, and will mention some of the current theories and observations that are attempting to solve the remaining mysteries hidden in the details of elemental abundances.

Recommended: Astrophysics for People In a Hurry, Neil deGrasse Tyson
Instructor: Professor Don Ellison; PhD, The Catholic University of America; NC State University faculty member since 1987; has taught and done research on the theory of cosmic rays, particle acceleration in high-energy astrophysics, and the modeling of supernova remnants; recent work
includes the nonlinear modeling of the production of magnetic turbulence in shocks using Monte Carlo computer simulations.

**Course #**: LLI-3-317-002  
**One Session**: 3:00 - 4:30 p.m.  
Sept. 30  
**Limit**: 58  
**Location**: Room 11/12  
**Fee**: $15.00  
**Registration Deadline**: Sept. 27

### Wednesday

**Pruning for the Homeowner**

Learn how to maintain the health and beauty of your trees, shrubs, and bushes by using proper pruning and thinning techniques. View the variety of tools for the home gardener and how to correctly and safely use them. The presentation will include in-class demonstrations.

**Instructor**: Cindy Chappell; Degree in K-12 Art Education, East Carolina Univ.; lifelong gardener; has been a member of the Wake County Extension Master Gardeners Volunteer program for 10 years; gives talks, presentations and demonstrations to groups throughout the county.

**Course #**: LLI-3-352-001  
**One Session**: 9:00 - 10:30 a.m.  
Oct. 2  
**Limit**: 24  
**Location**: Room 13  
**Fee**: $15.00  
**Registration Deadline**: Sept. 30

### Friday

**Analytics and Health: From Prediction to Prevention**

This lecture will introduce advances in scoring systems that assess the likelihood of both favorable and unfavorable health events. While many researchers employ public datasets and machine learning to predict outcomes, few models can inform prevention plans in a language that the average healthcare consumer understands. Participants will assess their own lifestyle behaviors and consider the impact of “scoring” to track progress and improve preventive care. Can a shared scoring system based on parsing the latest and best scientific research, coupled with a linkage to incentives, encourage lifestyle modifications that improve public health at-large?

**Note**: You will get the most out of this course if you bring to class a mobile device that connects to the Internet.

**Instructor**: Angela Harris; MBA, Harvard University; entrepreneur and educator; has taught college audiences, worked with professional athletes, and facilitated numerous professional workshops; certified in Data Science with proficiency in R.

**Course #**: LLI-3-367-001  
**One Session**: 9:00 - 10:30 a.m.  
Oct. 18  
**Limit**: 58  
**Location**: Room 11/12  
**Fee**: $15.00  
**Registration Deadline**: Oct. 15

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### How Hollywood Helped America Win World War I

Was World War I responsible for the birth of Hollywood? Did Charlie Chaplin and Mary Pickford help win the war? What was Woodrow Wilson’s greatest dilemma? And when Hollywood and the government work together, who really comes out ahead? Journey back 100 years and learn how the rise of Hollywood and America’s participation in World War I were intricately connected. From Wilson’s White House to the pioneering film studios in California, learn what was behind the patriotic zeal that swept America in 1917.

**Instructor**: Katherine Meyer; began working as docent and historical interpreter at a local historic site where she was nine years old, and she has been immersed in the world of history ever since; taught for ten years after college, launched a series of American history lectures, authored and published two historical fiction novels: *Grosvenor Square and Nine Miles North*.

**Course #**: LLI-3-342-001  
**One Session**: 10:45 a.m. - 12:15 p.m.  
Oct. 4  
**Limit**: 58  
**Location**: Room 11/12  
**Fee**: $15.00  
**Registration Deadline**: Oct. 2

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### Ways to Sample OLLI

Do you still work or wish to sample OLLI before becoming a member? In addition to the Open House on September 11, the following lectures are available on a space-available basis for $20 each.

**Registration available after Aug. 26**
- Aging: Living to the Edge of the Frame, Even As It Narrows

**Registration available after Oct. 7**
- How Do We Know What We Know About Dinosaurs?  
- Extreme Partisan Gerrymandering and Its Threat to Democracy
Many of their musicals contained thought-provoking plots with mature themes, in which all the aspects of the play—dance, song, and drama—were combined in an integrated whole. While their work contains cheerful and often uplifting songs, they departed from the comic and sentimental tone of early 20th-century musicals by addressing issues such as racism, sexism, and classism in their most successful shows: Oklahoma!, Carousel, South Pacific, The King and I, and The Sound of Music.

Instructor: Bob Chapman; BA, History and MA, American Studies, Trinity College; MS, Library Science, Simmons College; music librarian at Hartford Public Library; host of WCPE Opera House since December 2008; bass-baritone, has performed professionally with many German and American opera companies including North Carolina Opera, Triangle Opera Studio, and the Meredith College Opera Theater.

Course #: LLI-3-354-001
One Session: 10:45 a.m. - 12:15 p.m.
Oct. 18
Limit: 58 Location: Room 11/12
Fee: $15.00
Registration Deadline: Oct. 16

**“I cannot imagine my retirement without OLLI.”**

### Independent Courts in America: Cornerstone of Democracy

This presentation will explain the important role of the judicial branch (the “third branch”) of government, threats in recent years, and what the public can do.

Instructor: Robin Hudson; JD, University of North Carolina; first North Carolina woman elected to appellate court division; elected to Supreme Court and began her first 8-year term in January 2007; re-elected to her current term through 2022; previously elected to Court of Appeals in November 2000 and served through Dec. 2006; past appointments include: Family Court Advisory Committee,

### Rodgers and Hammerstein’s Greatest Musicals

Composer Richard Rodgers and lyricist-dramatist Oscar Hammerstein were an influential, innovative, and successful writing team. They created a string of popular Broadway musicals in the 1940s and 1950s, initiating what many consider the “golden age” of musical theatre.
introduced to her latest work using non-invasive computed tomography (CT) imaging of meteorites, focusing on particular samples of interest, including primitive meteorites containing amino acids; rocks delivered from Mars; and material from the asteroid explosion over Chelyabinsk, Russia in 2013.

In this course, we will read and discuss her parents and siblings as she grew. She published her memoir of her life at Trinity College, Cambridge. In 2018, she earned a master's degree, then a PhD from Brigham Young University. Later, she earned almost as long as he can remember.

Tara Westover was born in southern Idaho in 1986, the youngest of seven children. Her parents were survivalists, giving their children only alternative medical treatment, despite severe injuries received from the father's junkyard and automobile accidents. Home-schooled, Tara received no formal schooling, yet with the help of an older brother, was able to score high enough on the ACT to gain admission to Brigham Young University. Later, she earned a master's degree, then a PhD from Trinity College, Cambridge. In 2018, she published her memoir of her life and her changing relationships with her parents and siblings as she grew. In this course, we will read and discuss this memoir, and the instructor will also include background information on areas such as apocalyptic religious groups, modern-day survivalism, and homeschooling and college admission.

**Required:** *Educated: A Memoir* by Tara Westover, paperback or hardback

**Instructor:** Alan Wood; M.Ed., UNC-Charlotte, B.A. Geography, UNC-Chapel Hill; OLLI member.

**Course #:** LLI-1-367-001

**Six Sessions:** 10:45 a.m. - 12:15 p.m. Oct. 28, Nov. 4, 11, 18, Dec. 2, 9

**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $55.00

**Herbs and Spices as Medicine**

This is a three-week introductory course on herbal medicine. In the first week, we will discuss the current state of herbal supplements in our healthcare system, eastern and western approaches with herbal treatment, the physiological imbalance as root of diseases, and the chemistry of herbs. Next, we will talk about herbs acting on central nervous system (CNS), cardio-digestive and urinary system. In the last week, we will focus on herbs acting on the immune system and the adaptogenic effect.

**Recommended:** *Nursing Herbal Medicine Handbook*

**Instructor:** George Nemecz, PhD, Biochemistry; studied Ayurveda at Ayurvedic Holistic Center in New York with Swami SadashivaTirtha and at the Ayurvedic Institute, New Mexico with Dr. Lad; advanced private studies with Dr. John Doulliard, author of *Body Mind Sport* and Dr. Yeshi Dunden (former physician of the Dalai Lama); completed intensive Clinical Gurukula program, Pune, India under Dr. Lad; authored numerous publications in areas of lipid metabolism and botanicals.

**Course #:** LLI-2-166-001

**Three Sessions:** 10:45 a.m. - 12:15 p.m. Oct. 28, Nov. 4, 11

**Limit:** 24  
**Location:** Room 13  
**Fee:** $40.00

**Bad Presidents and How We Got Them**

Fortunate to have been led by great presidents in times of crisis, the U.S. has been failed by other presidents who have caused more harm than good. For example, a series of bad presidents in the 1850s are partly responsible for the American Civil War. In this course, you will learn about the men who are ranked by historians at or near the bottom in presidential effectiveness. Some of these men are famously bad, while others are less well known and may surprise you. Why have we had so many bad presidents? Is there something faulty...
in the method for electing presidents? **Instructor:** Joe Retzer; PhD, Political Science, Yale University; taught Political Science at Davidson College for several years and then worked for more than 30 years at the U.S. Environmental Protection Agency, now retired; OLLI member, and veteran OLLI instructor.

**Course #:** LLI-1-370-001  
**Six Sessions:** 1:15 - 2:45 p.m.  
Oct. 28, Nov. 4, 11, 18, Dec. 2, 9  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $55.00

### Tuesday

#### The 300 Years of the Romanov Dynasty

Beginning with the end of Ivan IV's reign, we will study the rise of the Romanov dynasty and the effects it had on the next 300 years of Russian history. All the Romanov tsars and empresses will be reviewed with their positive and negative impacts on the Russian people and Russian achievements. The course will end with the assassination of Nicholas II by the Bolsheviks in 1918.  
**Instructor:** George Robinson; chemical engineering degree, NC State; avid student of the history of the Western Civilization from Ancient Greece through current era; travels throughout Europe, Russia and other former Soviet Bloc countries.  
**Course #:** LLI-1-237-002  
**Six Sessions:** 9:00 - 10:30 a.m.  
Oct. 29, Nov. 5, 12, 19, Dec 3, 10  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $55.00

#### The American Revolution's Cast of Characters

The American Revolution was not a simple case of “Americans” versus “British,” but really the first American Civil War. A great variety of Americans were involved: Patriots, Loyalists, Neutrals, Native Americans, and enslaved persons. These groups included remarkable individuals, famous men like George Washington, Alexander Hamilton, and Benedict Arnold, but also unsung heroes such as Nathanael Greene and Henry Knox. We will discuss the experiences, motivations, and aspirations of these groups and individuals. We will also shine a light on the “worthy opposition,” including such persons as Charles Cornwallis and the indomitable Howe brothers. How did these groups and these individuals shape the battles and outcomes of the American Revolution? That will be our central question.  
**Instructor:** Jeanne Minahan Robinson; BA, History, University of Notre Dame; MS and PhD, Software Engineering, George Mason University; career in rocket science; currently a tour guide at Montpelier, the home of James Madison.  
**Course #:** LLI-1-316-002  
**Six Sessions:** 10:45 a.m. - 12:15 p.m.  
Oct. 29, Nov. 5, 12, 19, Dec 3, 10  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $40.00

### Second Term Courses

#### Agrcultural and Forestry in North Carolina

This course will provide a general overview of the largest economic sector in North Carolina, with examples of how technology is being used today. It will offer a brief look at the history of agriculture and forestry and explore the role of a “land grant university.” There will be discussion of how science, technology and public opinion may shape the future in agriculture and forestry. This course will consist of two lectures on agriculture and one lecture focused on forestry.  
**Instructors:** Reid Evans; PhD. in Agronomy; 40 years of experience in agricultural research, including managing research farms for NC State University  
David Schnake; M.S. in Forestry; actively manages thousands of acres of forest land for the North Carolina Department of Agriculture and Consumer Sciences

#### Waiting for Godot: A New Look

This seminar-style course will closely examine and evaluate Samuel Beckett's classic play *Waiting for Godot*. Utilizing a phenomenological perspective, we will analyze the play around several key themes: balance, hope, habit, nothing, memory, posture, time, silence, and waiting. Additional materials will be brought to bear as relevant.
Modern Monetary Theory: Debt and Our Grandchildren

Money is very important to people's lives. However, almost every aspect of it is misunderstood by the media, economists, and politicians, at least according to Modern Monetary Theory (MMT). In these four sessions, we will explore whether the U.S. is headed for disasters such as debt ruin, the indenture of our grandchildren, and Chinese indebtedness. The emphasis will be on MMT as a lens to provide a more accurate view of the economy. We will try to answer whether we can afford Social Security, Medicare, and a Green New Deal. We will mention some of the criticisms of MMT, including the fear of inflation and hyper-inflation. Finally, we will discuss how MMT could affect your life and how it may save the planet.

Instructor: John F. Low; MS Ed., Northern Illinois University; taught school at various levels; helped start two companies that provided electronic information and trading systems for Wall Street firms.

Six Sessions: 10:45 a.m. - 12:15 p.m. Oct. 29, Nov. 5, 12, 19, Dec 3, 10
Location: Room 13
Fee: $55.00

Extended Play--Long Movies That Rock the House

It doesn't matter how long a movie is -- 80 minutes or 180 minutes -- if it's poorly written, directed and acted, it's a chore to sit through. The problem is, some film goers think brevity guarantees entertainment, and length means boredom. This course is intended to prove, if proof were needed, that some lengthy films can be artistic, engaging, and totally justify their running time. Every film in this series will be between 120-180 minutes, and a discussion will follow the screenings. Included will be a classic 1950s Western featuring two powerhouse superstars; a masterful 1990s crime film from one of Hollywood's top directors; a lush, Oscar-winning period drama; and a political work featuring an actor best known for his TV stardom.

Instructor: Lewis Beale; film industry reporter for newspapers in New York and Los Angeles; taught journalism at UNC-Wilmington; has written for The New York Times, Newsday, the L.A. Times, The Daily Beast and other magazines and websites; veteran OLLI instructor.

Six Sessions: 10:45 a.m. - 12:15 p.m. Oct. 29, Nov. 5, 12, 19, Dec 3, 10
Location: Room 13
Fee: $55.00

Frankenstein's Parents: Shelley and Goethe

We will begin with an introduction to the Romantic era, then spend the next five weeks studying two of the category's poster children. We will spend two meetings discussing Johann Wolfgang von Goethe's The Sorrows of Young Werther, then three meetings discussing Mary Shelley's Frankenstein. Goethe's novel is one of the three books the Creature finds and reads as he is trying to understand humanity, and Shelley also lifted major plot elements from the novel. We will look at Romanticism in general, as well as literary issues in the novels (characterization, style, etc.), the state of scientific discovery at the time, the cross-pollination of ideas in different works, and both works' continuing legacies in the arts.

Instructors: Tom Price; BSEE and MBA, Duke University; retired entrepreneur and investor; OLLI member; recipient of OLLI volunteer award, 2011; veteran OLLI instructor.

Tuesday - Wednesday

Wednesday

Gadgets and How They Work

Electronic gadgets are becoming a big part of our lives -- from GPS, 4K television, smartphones, and the internet to Alexa, drones, and driverless cars. Wow! If you want to know more about what they do and how they do it, this class is for you. You'll get enough information to better understand them without going into too much intimidating detail. Doug and Tom have been teaching variations of this class through OLLI for over 10 years. They continue to be challenged by the rapid change in technology and the positive responses they have received from the class members!

Instructors: Tom Price; BSEE and MBA, Duke University; retired entrepreneur and investor; OLLI member; recipient of OLLI volunteer award, 2011; veteran OLLI instructor.

Doug Hall; BS, Electrical and Computer Engineering, NC State; engineer and technologist working in the the field of communications and signal processing; has spent the last 30+ years using, praising, and cursing...
SECOND TERM COURSES

Investment Income Ideas for the More Advanced Investor

With interest rates fluctuating and stock market volatility, it is becoming increasingly difficult to find the appropriate balance for our retirement assets. We will discuss a variety of topics including traditional investments, passive versus active investing, exchange traded investments, alternatives and more. Based on market conditions, we will discuss income-generating investments as well. Additional questions and interests are always welcome.

Instructor: Janet Fox; financial consultant and president of ACH Investment Group, Inc.; specialties include financial, retirement, investments, and insurance planning; member of the Financial Planning Association and Financial Services Institute; veteran OLLI instructor.

Course #: LLI-2-148-002
Three Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 30, Nov. 6, 13
Limit: 24 Location: Room 13
Fee: $40.00

Verismo Operas: Melodrama and Violence in Everyday Life

Few words in the operatic lexicon have been misused as regularly as verismo. Often used as a blanket term for all Italian operas written between the 1890s and the 1920s, verismo more properly denotes a type of opera marked by melodramatic, often violent, plots with characters drawn from everyday life. We will examine Pietro Mascagni's Cavalleria Rusticana, Ruggero Leoncavallo's Pagliacci, Umberto Giordano's Fedora, Francesco Cilea's Adriana Lecouvreur, Riccardo Zandonai's Francesca da Rimini, and Giacomo Puccini's Il Tabarro. You will be provided with weekly essays, and we will view and discuss DVDs of performances of these operas.

Instructor: Bob Chapman; BA, History and MA, American Studies, Trinity College; MS, Library Science, Simmons College; music librarian at Hartford Public Library; host of WCPE Opera House since December 2008; bass-baritone, has performed professionally with many German and American opera companies including North Carolina Opera, Triangle Opera Studio, and the Meredith College Opera Theater.

Course #: LLI-1-083-004
Six Sessions: 9:00 - 10:30 a.m.
Oct. 30, Nov. 6, 13, 20, Dec 4, 11
Limit: 58 Location: Room 11/12
Fee: $55.00

The Women's Suffrage Movement: Struggles, Strategies, Success

Rooted in the Enlightenment concept of human rights, the idea of suffrage for women was introduced to the United States at Seneca Falls, New York in 1848; 72 years later in 1920, in the form of the 19th Amendment, it became a reality. Along the way, women's suffrage became entangled in the Abolitionist movement and the drive for African-American male enfranchisement and embroiled in internal conflicts as to strategy and leadership. By the turn of the century, the Suffragists were united and energized and ready for the final drive for ratification. Highlighted by protests, marches, and imprisonment, the 19th Amendment finally became the law of the land when Tennessee, by the margin of one vote, became the last of the 36 states needed for approval.

Instructor: Carolyn Happer; B.A., Duke University; M.A., UNC-CH; PhD., Duke University; taught Women's History at Meredith College

Course #: LLI-1-371-001
Four Sessions: 10:45 a.m. - 12:15 p.m.
Nov. 13, 20, Dec 4, 11
Limit: 58 Location: Room 11/12
Fee: $40.00

Esperanto: A New Language and View of the World

The international language Esperanto has been around since 1887. But it has recently begun to receive renewed attention. After 132 years of constant use by an international community of speakers, it is now expanding rapidly, thanks to smartphones and the Internet. Over two million people have downloaded the app to learn it, and another 700,000 have signed up for the most popular online course. It is easy to learn, easy to use, and a good way to make friends across the world. While there are many speakers of English worldwide, most people in the world don’t speak English; and many of those who do, don’t speak it very well. Esperanto, by contrast, aims at equality of communication: it is an easy second language for all. Those who learn it soon see the world in a different, and richer, way.

Recommended: A list of readings can be found online under course listing.

Instructors: Chuck Mays; graduate of NC State, electrical engineering; Executive Director, Esperantic Studies Foundation; organizer of the Esperanto Film and Theater Festival and Summer Esperanto Language Workshop. Humphrey Tonkin; educated at Cambridge and Harvard; former Professor of English, University of Pennsylvania; President Emeritus, University of Hartford; past president, World Esperanto Association; numerous publications on literature, language, and international studies.

Course #: LLI-2-184-001
Three Sessions: 10:45 a.m. - 12:15 p.m.
Nov. 20, Dec 4, 11
Limit: 24 Location: Room 13
Fee: $40.00

Computers; entrepreneur, inventor and holds multiple patents in a variety of technologies.

Course #: LLI-1-083-004
Six Sessions: 9:00 - 10:30 a.m.
Oct. 30, Nov. 6, 13, 20, Dec 4, 11
Limit: 58 Location: Room 11/12
Fee: $55.00

New to registering online? Check out our “Tips” at www.ncsu.edu/olli

Verismo Operas: Melodrama and Violence in Everyday Life

The Women’s Suffrage Movement: Struggles, Strategies, Success

Esperanto: A New Language and View of the World

Investment Income Ideas for the More Advanced Investor

Wednesday
SECOND TERM COURSES

North Carolina Local Governments in the Era of Extreme Partisanship

American politics have become increasingly partisan. Has this affected North Carolina local government? This course will provide an overview of the U.S. and North Carolina intergovernmental system. It will include a description of the respective roles of counties, cities and school boards; revenue sources; the property tax system; and allocation of responsibilities among local governments. These subjects will be measured by the current climate of partisanship. Brisk class exchange and respectful debate will be encouraged.

Instructor: Ron Aycock; business and law degrees, UNC-CH; retired in 2005 as executive director of the NC Association of County Commissioners, where he served for over 30 years; has served on numerous state and national boards and advisory groups, including the Community Development Council and advisory groups, including the for over 30 years; has served on the NC Association of County Commissioners, where he served for over 30 years; has served on numerous state and national boards and advisory groups, including the Community Development Council and NC Land Policy Council; currently serves as part-time county attorney for Person County; OLLI member.

Course #: LLI-1-361-001
Six Sessions: 1:15 - 2:45 p.m.
Oct. 30, Nov. 6, 13, 20, Dec 4, 11
Limit: 58 Location: Room 11/12 Fee: $55.00

Navigating Widowhood

Is anyone ever prepared for widowhood? Widows and widowers grieve for their spouses and grieve for their former ways of life. Widowhood is a time of transition. How are the challenges different in the first year of widowhood versus the following years? How does the surviving partner adjust to living alone and being an un-couple? While every widow and widower’s journey is unique, it can be helpful to explore ideas on how others have navigated typical widowhood challenges. We will discuss ideas for moving forward with your life. This course will include lectures, exercises and group discussion. This course is designed for those who have lost their life partner within the last few years.

Instructor: Jill Kaufman, PhD; had a technology career at IBM; became a widow in 2015, and as part of her journey studied widowhood books and exchanged ideas with many widows; Jill has presented on widowhood at a Hospice Grief Center and is the facilitator for a church-based widow group.

Course #: LLI-2-169-001
Three Sessions: 1:15 - 2:45 p.m.
Oct. 30, Nov. 6, 13
Limit: 24 Location: Room 13 Fee: $40.00

Something About the Beatles

Maybe you can remember the first Beatles song you ever heard, and you treasured your collection of 45-rpm singles. Maybe you wonder why, decades later, the music continues to resonate and remain a part of your life. If so, you will enjoy this journey into our shared cultural memory of the Fab Four. To appreciate the Beatles’ profound and continuing impact, we will consider their lyrics, their musical innovations, and their influence on popular music and culture, then and now. This course will focus on these phases: 1) Early pop -- 1964 and before; 2) Emerging voices -- “Rubber Soul” and “Revolver”; 3) Complexity -- “Sgt. Pepper’s” as a turning point in rock and roll; 4) Experiment -- Beatles become more politically active and outspoken.

Instructor: Ron Aycock; business and law degrees, UNC-CH; retired in 2005 as executive director of the NC Association of County Commissioners, where he served for over 30 years; has served on numerous state and national boards and advisory groups, including the Community Development Council and NC Land Policy Council; currently serves as part-time county attorney for Person County; OLLI member.

Course #: LLI-1-361-001
Six Sessions: 1:15 - 2:45 p.m.
Oct. 30, Nov. 6, 13, 20, Dec 4, 11
Limit: 58 Location: Room 11/12 Fee: $55.00

A Consumer's Guide to Healthcare Advocacy

Do you understand how to get the care you need and deserve, or how to keep someone safe in an inpatient setting? Whether you are advocating for yourself or a loved one, learn strategies to become a better consumer of the healthcare system, which can sometimes be difficult to navigate. We will discuss the roles and influences for the consumer, the provider, and the setting in different healthcare environments such as medical offices, hospitals, rehab, or skilled nursing centers. Gain a better understanding of how to get the information needed to make informed decisions about care. Becoming a savvy consumer will help keep yourself and others informed and safe.

Instructor: Nancy Ruffner; Board Certified Patient Advocate; BSW, Western Carolina University; earned her graduate certificate in counselor education from NC State; professional speaker, adjunct instructor and owner of NAVIGATE NC, an advocacy and case management consultancy.

Course #: LLI-1-373-001
Six Sessions: 3:00 - 4:30 p.m.
Oct. 30, Nov. 6, 13, 20, Dec 4, 11
Limit: 24 Location: Room 13 Fee: $55.00

Reptiles and Amphibians of Wake County

These two sessions will focus on identification and the natural history of reptiles (turtles, lizards, and snakes) and amphibians (salamanders, frogs, and toads) found in Wake County. Particular emphasis will be on species most common in urban and suburban “backyards” in the greater Raleigh area.

Instructor: Jeffrey C. Beane; B.S. Zoology, NC State; Herpetology Collection Manager, NC Museum of Natural Sciences since 1985; many publications, including Amphibians and Reptiles of the Carolinas and Virginia, 2nd Edition.

Course #: LLI-2-176-001
Two Sessions: 3:00 - 4:30 p.m.
Dec. 4, 11
Limit: 58 Location: Room 11/12 Fee: $30.00
SECOND TERM COURSES

Thursday

The Tax Rules Have Changed Again?
Yes, the income and estate tax rules for 2019 are not the same as they were for 2018, 2017 or 2016—and they won’t be the same for 2020 or 2021. Taxes are a moving target, so come learn how to improve your aim at this year’s tax bullseye. We will examine the new rules, critique the old rules, talk about how to interact effectively with the IRS and NCDR, and even how you might anticipate what will happen next. We expect a lively discussion, so bring all your questions and comments.

Instructor: Herb Wakeford; BBA, University of Minnesota; CPA since 1967; over 30 years of experience in public and private tax practice; six years teaching accounting and taxation at UNC-CH and NC State; five years as Executive Director of NC Association of CPAs; active OLLI member and instructor since 2005.

Course #: LLI-1-374-001
Six Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 31, Nov. 7, 14, 21, Dec 5, 12
Limit: 58 Location: Room 11/12
Fee: $55.00

Adapting to Climate Variability and Change
This course will give an overview of the impacts of climate variability and change on people, business, and the natural resources base, and the options for coping with or adapting to climate. The course will draw from U.S and international experience and practice. We will start by focusing on the language of climate adaptation, including climate variability and change, climate vulnerability, exposure, sensitivity, and adaptive capacity, planned and autonomous adaptation, and maladaptation. Next we will look at the global impacts of climate variability and change on water resources, agriculture, public health, and natural resources. The final four sessions will provide a survey of U.S. and international experience in adapting to climate variability and change at the community, business, and household/individual levels.

Instructor: Glen Anderson; Ph.D. Agricultural Economics, University of Wisconsin-Madison; Development economist and climate adaptation and financing specialist in 48 countries; led U.S. Agency for International Development’s 4-year, $30 million flagship climate adaptation project from 2011-2015.

Course #: LLI-1-356-001
Six Sessions: 3:00 - 4:30 p.m.
Oct. 31, Nov. 7, 14, 21, Dec 5, 12
Limit: 58 Location: Room 11/12
Fee: $55.00

These Are Our Lives: Triangle Life Writing
When we sketch our lives in words or write about the life of another person, living or dead, where do we begin? Does it make sense to allow our subject and its entry point to find us? Experience says that is the most productive beginning. Just allow an urge or impulse from within yourself to guide you. Then let the separate episodes you produce find their chronological or thematic place.

Instructor: W. J. McCoy; PhD, Yale University; Associate Professor Emeritus of History, UNC-Chapel Hill, where for 41 years he taught courses in ancient Greek history, military and culture; instructor for Elderhostel and the Friday Center’s Community Classroom; currently director of adult travel programs in Greece and Crete.

Course #: LLI-1-364-001
Five Sessions: 1:15 - 2:45 p.m.
Nov. 7, 14, 21, Dec 5, 12
Limit: 58 Location: Room 11/12
Fee: $55.00

Friday

Update on Southern Africa
This short course will seek to bring us up to date on southern Africa, always with reference to the longer run of history. The focus will be on South Africa, Zimbabwe, and Zambia, though neighboring countries will certainly be referenced. We will concentrate on recent and forthcoming elections, broader political currents and configurations, economic trends and challenges, and the consequences of climate change. You will be encouraged to follow contemporary events and share information with classmates for discussion.
SECOND TERM COURSES

Instructor: Ken Vickery; BA, Duke University; PhD, African History, Yale University; Alumni Distinguished Undergraduate Professor of History Emeritus, NC State; Adjunct Professor, Duke University since 2013; author of Black and White in Southern Zambia and The African Experience [Teaching Company/The Great Courses—AV lecture series].
Course #: LLI-2-188-001
Three Session: 9:00 - 10:30 a.m. Nov. 22, Dec 6, 13
Limit: 58 Location: Room 11/12
Fee: $40.00

Homophones, Homographs, and Chaotic English Spelling

These sessions are about trickry homophones, deceptive homographs, and a peek behind the curtain into the utter chaos that is English spelling. We will examine some often zany reasons why some words are spelled the way they are, as well as the occasional unexpected etymology of ordinary words.
Instructor: Steve Swaim; BA, Linguistics, UNC; taught Spanish and Linguistics at Ravenscroft School for 33 years; his greatest regret is that he cannot learn every language ever spoken.
Course #: LLI-2-186-001
Two Sessions: 10:45 a.m. - 12:15 p.m. Dec. 6, 13
Limit: 58 Location: Room 11/12
Fee: $30.00

Ethics with AI

Artificial intelligence (AI) is transforming our world, from workplaces to warfare, how we shop, and how we connect with others. AI, in the broad sense, already automates factories, suggests products we “want,” helps us to find friends, monitors our every action online, and learns from those actions. In some countries, AI is being used to monitor people for social control, tracking where people go and whether they behave. In others, it is used to decide whether a person gets a loan. These sessions will provide an overview of some recent advances in AI—from deep learning to data science—and will sketch some possible future directions. Discussion will include the ethical issues that are raised by AI and consider whether those questions are truly new. Finally, you will be presented with some paths you can take to answer them.
Instructor: Collin F. Lynch; Ph.D., Intelligent Systems, University of Pittsburgh; Assistant Professor, Dept. of Computer Science, NC State; primary research is focused on the development of robust intelligent tutoring systems and adaptive educational systems, as well as research on Educational Data Mining, Data Science, and Argumentation.
Course #: LLI-2-181-001
Two Sessions: 1:15 - 2:45 p.m. Nov. 1, 8
Limit: 58 Location: Room 11/12
Fee: $30.00

Operation Fortitude: Risks and Deceptions to Vanquish the Nazis

The Allies worked to deceive the Germans regarding the time and place planned for D-Day. But in Operation Fortitude, they went a huge step further to convince the enemy that the Normandy attack was only a feint. The intent was to convince Hitler and his high command that they wanted the Nazis to send reinforcements from Calais to Normandy, and that once reinforcements were sent, General Patton would strike at the now weakened Calais defenses. The Germans bought the deception. We will examine how Hitler and his high command fell prey to skillfully executed and elaborate deception plans, and the great risks General Eisenhower took to support Fortitude.
Instructor: John Matthews; BS, Adelphi University; PhD, Psychology, Duke University; taught and studied 20th Century American History; associate of both the Marshall Foundation and The Roosevelt Institute; in cooperation with Steve Ambrose, John has conducted oral history interviews with D-Day participants and members of the French resistance.
Course #: LLI-2-174-001
Two Sessions: 1:15 - 2:45 p.m. Nov. 15, 22
Limit: 58 Location: Room 11/12
Fee: $30.00

SECOND TERM LECTURES

Monday

Aromatherapy

This presentation will introduce you to the history of Aromatherapy; the origin, action, and chemistry of essential oils; and the ways to use essential oils.
Instructor: George Nemecz; PhD, Biochemistry; studied Ayurveda at Ayurvedic Holistic Center in New York with Swami Sadashiva Tirtha and at the Ayurvedic Institute, New Mexico with Dr. Lad; advanced private studies with Dr. John Douillard, author of Body Mind Sport and Dr. Yeshi Dunden (former physician of the Dalai Lama); completed intensive Clinical Gurukula program, Pune, India under Dr. Lad; authored numerous publications in areas of lipid metabolism and botanicals.
Course #: LLI-3-343-001
One Session: 10:45 a.m. - 12:15 p.m. Nov. 18
Limit: 24 Location: Room 13
Fee: $15.00
Registration Deadline: Nov. 15

How Do We Know What We Know About Dinosaurs?

Dinosaurs make the news often—and form the basis of movies such as Jurassic Park and many books. But, when you think about it, no human
was around to watch the dinosaurs and see how they functioned. How do we know how fast dinosaurs could run? How do we know what and how they ate? How do we know whether they took care of their babies, like most birds, or if they just abandoned them after laying them, like turtles? How do we know how they grew? The answers might surprise you. Far from “making things up,” dinosaur science is a robust, cross-disciplinary, rigorous approach to understanding the lives of these amazingly successful animals. Paleontologist Dr. Mary Schweitzer joins us for a brief introduction to all things dinosaur.

**Instructor:** Mary Schweitzer; PhD, Biology, Montana State University; professor in Department of Marine, Earth, and Atmospheric Sciences (MEAS), NC State; has taught numerous courses pertaining to dinosaurs, cell biology, microanatomy and more; has received numerous grants for research; has written numerous peer reviewed publications; presented at various seminars and symposiums around the country.

**Course #:** LLI-3-366-001  
**One Session:** 3:00 - 4:30 p.m.  
**Oct. 28**  
**Limit:** 120  
**Location:** McKimmon Center - TBA  
**Fee:** $15.00  
**Registration Deadline:** Oct. 25

### Extreme Partisan Gerrymandering and Its Threat to Democracy

Redistricting is the process of drawing electoral district boundaries for the election of U.S. House representatives and General Assembly members. Almost since the beginning of this country, politicians from both political parties have tried to “fix” election outcomes by gerrymandering. Today’s powerful computer systems allow politicians to choose their voters “with almost surgical precision,” not the other way around. Extreme partisanship in redistricting threatens our democracy—through diluting vote values, damaging trust in election processes, discouraging potential candidates, reducing competition and meaningful debate in campaigns, and contributing to polarization. This year has brought several major court cases on partisan gerrymandering, including North Carolina’s *Common Cause (and League of Women Voters) v. Rucho*, decided by the U.S. Supreme Court in June. In several states, legislative and citizen-led initiatives have curtailed extreme partisan redistricting, but in North Carolina no such remedy is available. Learn how partisan gerrymandering differs from racial gerrymandering, how it affects people of both political parties, how redistricting reform has become a national issue, and what options are available to citizens of North Carolina.

**Instructor:** Gab Smith; MA, Duke University; BA, NC State University; certificate in Nonprofit Management, Duke University; has brought groundbreaking artists and exhibitions to CAM including Sarah Cain: *The Imaginary Architecture of Love, The Nothing That Is: A Drawing Show in Five Parts and The Ease of Fiction*; leads CAM’s education and outreach initiatives including the museum’s acclaimed Middle School Docent Program.

**Course #:** LLI-3-169-002  
**One Session:** 3:00 - 4:30 p.m.  
**Nov. 11**  
**Limit:** 24  
**Location:** Room 13  
**Fee:** $15.00  
**Registration Deadline:** Nov. 8

### Contemporary Art Museum as Change Agent

Gab Smith, executive director of the Contemporary Art Museum of Raleigh (CAM Raleigh), will lead you through the excitement of planning an exhibition, working with the artists, and then using art as a vehicle to help people develop creativity, leadership, and confidence in their ideas. Go behind the scenes at the museum to learn about the contemporary art exhibitions and artists being developed in Raleigh, while gaining insight into how these exhibitions are changing the community.

**Instructor:** Gab Smith; MA, Duke University; BA, NC State University; certificate in Nonprofit Management, Duke University; has brought groundbreaking artists and exhibitions to CAM including Sarah Cain: *The Imaginary Architecture of Love, The Nothing That Is: A Drawing Show in Five Parts and The Ease of Fiction*; leads CAM’s education and outreach initiatives including the museum’s acclaimed Middle School Docent Program.

**Course #:** LLI-3-169-002  
**One Session:** 3:00 - 4:30 p.m.  
**Nov. 11**  
**Limit:** 24  
**Location:** Room 13  
**Fee:** $15.00  
**Registration Deadline:** Nov. 8
Tales from the Deep Sea: Biology to Shipwrecks
Unlocking the mysteries of deep-sea ecosystems can reveal new sources for medical drugs, food, energy resources, and other products. We are studying how deep-sea biological communities that do not rely on photosynthesis persist, and how new communities become established. While conducting this deep-sea research off the Carolina coasts, using the world's most advanced tools such as the submersible Alvin and the autonomous underwater vehicle Sentry, we discovered a previously undocumented shipwreck from the mid-18th century.

**Instructor:** Dr. David Eggleston; Alumni Distinguished Undergraduate Professor of Marine Science at NC State; director of the Center for Marine Sciences and Technology, in Morehead City; Dr. Eggleston conducts research in the areas of Marine Ecology and Conservation.

**Course #:** LLI-3-347-001  
**One Session:** 3:00 - 4:30 p.m.  
**Nov. 18**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Nov. 15

Wednesday

Scurvy, She Wrote!
The discovery of many vitamins reads like a murder mystery, complete with multiple suspects, red herrings, twists and turns that lead to key clues, and dogged detectives who sometimes had to put their own lives in jeopardy to uncover the truth. Hear the fascinating stories of how cultural and agricultural factors conspired to create single nutrient deficiencies that killed thousands around the world, and what it took for scientists to identify the culprits.

**Instructor:** Sarah Ash; AB, Biology, Harvard University; MS and PhD, Nutrition, Tufts University; professor in the Department of Food, Bioprocessing, and Nutrition Sciences, NC State; recipient of the UNC System Board of Governors Award for Excellence in Teaching, the NC State Alumni Distinguished Professor Award, and the USDA Food and Agriculture Sciences Excellence in Teaching Award, among others.

**Course #:** LLI-3-364-001  
**One Session:** 10:45 a.m. - 12:15 p.m.  
**Oct. 30**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Oct. 25

Elon Musk and His Plan to Save the World
Recognized as the CEO of Tesla and SpaceX, Elon Musk is probably more widely known as the controversial individual addicted to Twitter. We will follow the life of Elon Musk from his school days in Pretoria, South Africa to the executive board rooms of Paypal, SpaceX, and Tesla. We will examine his entrepreneurial skills, work ethic, and vision that has made him a billionaire but left some bitter individuals in his wake. We will also explore his obsession with Twitter, which has created a loyal following but also resulted in self-inflicted damage to himself and his companies.

**Recommended:** Elon Musk: *Tesla, SpaceX, and the Quest for a Fantastic Future*

**Instructor:** Thomas Toms; BSEE NC State; IEEE & ISA; over forty years of experience as a design engineer in the fields of systems integration, man-machine interfaces, cyber security, process control, automation, and archiving of historical data.

**Course #:** LLI-3-350-001  
**One Session:** 10:45 a.m. - 12:15 p.m.  
**Nov. 6**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Nov. 4

Thursday

The Importance of Glass
This lecture will briefly outline the development of glass and explore its impact upon the modern world. We often take the existence of glass for granted, yet it touches every aspect of our lives. The unique properties of glass make it one of the most versatile materials in the world. How did we progress from the colored glass to the clear that we use today, and what are some of the many uses for this inexpensive and malleable substance?

**Instructor:** Bill Pace; BS, Industrial Engineering, NC State; MBA, UNC-Charlotte; following a long career in IT, he is happily retired and enjoying pursuing interests on his schedule, including astronomy, physics, travel and golf.

**Course #:** LLI-3-362-001  
**One Session:** 9:00 - 10:30 a.m.  
**Oct. 31**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Oct. 29

Roanoke and Native American History
This lecture will explore the history of the Roanoke colony as seen through the eyes of American Indians living on the sixteenth-century Carolina coast.

**Instructor:** Kathleen DuVal; a Bowman and Gordon Gray Professor in the History Department at the University of North Carolina, Chapel Hill; She earned her B.A. from Stanford University and Ph.D. from the University of California, Davis; she is the author of *Independence Lost: Lives on the Edge of the American Revolution* and *The Native Ground: Indians and Colonists in the Heart of the Continent*.

**Course #:** LLI-3-355-001  
**One Session:** 9:00 - 10:30 a.m.  
**Nov. 7**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Nov. 5

Immigration and Ellis Island
Mark Arslan created the Armenian Immigration Project and maintains a large database of information abstracted from primary documentary sources relating to Armenian immigration to the United States and Canada in the late 1800s and early 1900s. This lecture will have a broader focus and include information on data mining the ship manifests for Ellis Island and other American seaports and border crossings during that time period. Resources discussed will include censuses, vital records, military, naturalization, passports, and newspaper ads. We will briefly cover
the use of DNA testing to complement documentary research on genealogy. These tools and techniques will be helpful to anyone researching American immigrant communities during the last 150 years of our history. 

**Recommended:** Visit the Armenian Immigration Project website [http://markarslan.org/ArmenianImmigrants/shiplists.html](http://markarslan.org/ArmenianImmigrants/shiplists.html)

**Instructor:** Mark B. Arslan; B. S. in Forestry from Oregon State; 35 year career in Sales and Services for IBM Corporation; currently retired

**Course #:** LLI-3-356-001  
**One Session:** 9:00 - 10:30 a.m.  
**Dec. 5**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Dec. 3

### Voting Systems of the Democratic World

This lecture will offer a discussion of the various systems of voting used by advanced industrialized democracies, with specific focus on the American electoral system.

**Instructor:** Andrew J. Taylor; Professor of Political Science, NC State; Ph.D. University of Connecticut. He teaches courses in American politics, and his research and publications focus on American governmental institutions; recipient of outstanding teaching and outstanding research awards given by NC State’s College of Humanities and Social Sciences.

**Course #:** LLI-3-351-001  
**One Session:** 1:15 - 2:45 p.m.  
**Oct. 31**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Oct. 29

### Estate Planning -- Beyond the Will

Wills can be an important part of estate planning – but in today’s complex world, there is so much more to an estate plan than just a will. This session will cover the basics of estate planning, including wills as well as other estate planning vehicles and important documents.

No charge for OLLI members, but space is limited and you must register.

**Instructor:** Katherine Miller; Director at the Office of Gift Planning at NC State; works with donors on planned gifts and estate administration; previously was a manager at Deloitte Tax in the Private Wealth Group.

**Course #:** LLI-3-288-002  
**One Session:** 10:45 a.m. - 12:15 p.m.  
**Nov. 1**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $0, for OLLI members only.  
**Registration Deadline:** Oct. 30

### A Peaceful Revolution: The Overthrow of Communism, 1989-1990

On the thirtieth anniversary of the fall of the Berlin Wall, this lecture will explore the causes, course and consequences of the overthrow of Communism in East Central Europe. Starting in Poland and Hungary and then going on to East Germany, this rebellion toppled the Soviet-style dictatorships and liberated the satellite states, allowing them to become democratic and capitalist. As a result this process completely remapped Eastern Europe, tying it to the West.

**Instructor:** Konrad H. Jarausch; Lucry Professor of European Civilization, UNC Chapel Hill; past director of the Zentrum für Zeithistorische Forschung in Potsdam/German; has written and/or edited 50 books on German and European History.

**Course #:** LLI-3-344-001  
**One Session:** 10:45 a.m. - 12:15 p.m.  
**Nov. 8**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Nov. 6

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### Depolarizing Politics: The Better Angels Way

Better Angels is a grassroots organization that brings together liberals and conservatives, using one of several workshop formats. Their mission is to help Americans clarify their political disagreements, reduce stereotyped thinking, and build the relationships needed to find common ground. This lecture will provide an overview of the Better Angels’ approaches to taking part in productive political conversations. The primary focus of this presentation will be an introduction of basic skills to have a conversation with a political opposite instead of a fight. A secondary focus will be a presentation of the formats used in the Better Angels workshops.

**Instructor:** Duane Beck; MDiv; retired Mennonite pastor having served three Mennonite churches over a 45-year career; volunteer with the Better Angels organization

**Course #:** LLI-3-363-001  
**One Session:** 9:00 - 10:30 a.m.  
**Nov. 1**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Oct. 29

### Back to the Future of Destination Parks

Frederick Law Omlsted began the legacy for today’s urban parks with the democratic development of New York’s 843-acre Central Park, which opened in 1858. We will explore how the 308-acre Dorothea Dix Park addresses the complexities of democratic development that result in an inclusive, health-promoting place for all. The complexities of sustainability and resilience will be discussed along with the moral legacy that Olmsted and Dix championed.

**Instructors:** Juliaita T. Sherk; Master’s in Landscape Architecture, NC State; practicing registered landscape architect; Associate Professor, Horticultural Science and Landscape Architecture, NC State; Frank Harmon; FAIA, educated at North Carolina State University’s School of Design and the Architectural Association in London; first learned about architecture while playing in the streams near his childhood home in Greensboro; he is the author of *Native Places, Drawing as a Way to See*; his buildings have received 212 design awards

**Course #:** LLI-3-368-001  
**One Session:** 10:45 a.m. - 12:15 p.m.  
**Nov. 15**  
**Limit:** 58  
**Location:** Room 11/12  
**Fee:** $15.00  
**Registration Deadline:** Nov. 12
STUDY TRIPS/SPECIAL EVENTS

By registering for a study trip or event, participants agree to hold NC State University and its employees harmless in the event of personal injuries, accidents, property damages, delays and losses of any kind. All study trips and events are organized and accompanied by Joan Hardman-Cobb, OLLI’s Assistant Director. **Trips will proceed rain or shine.** Trips and events are for OLLI members.  **No substitutions permitted on study trips.** If you find yourself unable to participate in a study trip, please contact the office.

The South Wake Landfill Facility
Visit the Wake County South Wake Landfill in Apex to see what happens to your trash after it leaves your curbside. A member of the solid waste team will board our bus to explain operations as we drive around the 400+ acre recycling and landfill facility where we will:
- Learn about special wastes that are banned from landfills that residents can recycle at drop-off areas
- Learn how a landfill is designed and constructed before waste is disposed
- See an active, working landfill and how trash is managed on a daily basis
- Hear how Wake County is working to reduce waste and conserve space inside the landfill
- See how landfill gas is collected and turned into electricity for use by county residents

**Note:** You will be required to fill out and sign a waiver form before commencing the tour. Wear closed-toe, hard soled shoes.

**Course #:** LLI-4-099-002  
**Date:** Sept. 13  
**Limit:** 30  
**Fee:** $35.00  
**Includes:** Transportation on NC State bus, driving tour of the landfill facility.

Depart: 9:00 am  
Return: Approximately 11:30 am  
Registration Deadline: Sept. 6

Hidden Treasures: Aurora’s Fossils and Blackbeard’s Shipwreck Booty!
Aurora, NC is a small town best known for its phosphate mine and fossil museum. We will travel to the museum for a docent-led visit, followed by time to dig for fossils in the piles of earth excavated from the nearby mine. Dr. Tom Stafford, who has taught OLLI fossil courses (and given tours on NC State-themed study trips), will accompany us, and he will help you identify your finds. We will stop for lunch at a nearby restaurant (included) before we head to East Carolina University’s Queen Anne’s Revenge Laboratory. There, we will view the relics that divers have brought up from the submerged wreck of Blackbeard’s ship, Queen Anne’s Revenge. We will learn about the painstaking and lengthy process of preserving the items to ready them for public display.

**Note:** The fossil site is often dusty, so wear clothes that you don’t mind getting dirty, closed-toe shoes, and a hat. Bring work gloves, small garden tools, and resealable bags to bring home your finds. Bring a refillable beverage bottle to keep you hydrated throughout the day.

**Course #:** LLI-4-121-001  
**Date:** Sept. 19  
**Limit:** 32  
**Fee:** $90.00  
**Includes:** Transportation by luxury motor coach with restroom, all tours and admissions, and lunch  
**Depart:** 7:30 a.m.  
**Return:** Approximately 6 p.m.  
**Registration Deadline:** Sept. 12

OLLI’s Fabulous Fall Picnic
A firm fall favorite – OLLI’s BBQ picnic in the beautiful, outdoor setting of Lake Wheeler Park’s covered picnic shelter #9. This is a wonderful opportunity to meet and visit with other members, eat delicious food and, if you are lucky, win one of the door prizes donated by local organizations. The buffet serving line will open at noon. The drawings for door prizes will include a one-year membership in OLLI, complimentary tickets to local events and more. Don’t miss it!

**Note:** Wear comfortable shoes and casual attire. Parking will be available close the picnic shelter for those with limited mobility. All other parking is directly across the road from the shelter, just a short walk. Directions to Lake Wheeler Park will be sent out prior to the event date.

**Course #:** LLI-4-004-006  
**Date:** Sept. 27  
**Limit:** 150  
**Fee:** $10.00  
**Time:** 12:00 - 2:00 pm  
**Registration Deadline:** Sept. 20

“The study trips provide the chance to learn about a variety of topics and meet new people”

Weymouth Woods and Sandhills Botanical Gardens
We will travel to the Weymouth Woods Sandhills Nature Preserve to learn the history of the Longleaf Pine forests that once covered millions of acres of the southeastern U.S., including the Sandhills area of North Carolina. We will view exhibits at the visitor center and then take an easy, ranger-led forest walk, which will teach us about the ecology of the area, the flora and fauna. You will then have the chance to explore the delightful town of Southern Pines, with its many lunch options (lunch is self-pay, with guidance about options and companions, as needed). After lunch, we will visit the 32-acre Sandhills Horticultural Gardens; it features several themed gardens, including a Japanese garden, Sir Walter Raleigh garden, succulent garden and hillside garden.

**Note:** Wear closed-toe shoes, hat, and sunscreen, and bring a filled water bottle. You may expect uneven ground and may be walking outdoors for up to an hour at a time.

**Course #:** LLI-4-120-001  
**Date:** Oct. 8  
**Limit:** 32  
**Fee:** $85.00  
**Includes:** Transportation by luxury
motor coach with restroom and all tours; lunch is self-pay.

Depart: 8:30 a.m.

Return: Approximately 5:30 p.m.

Registration Deadline: Oct. 1

Durham’s Stagville Plantation and Bennett Place

We will start the day by visiting historic Stagville Plantation in Durham County. One of the largest plantations of the pre-Civil War South, Stagville was owned by the Bennehan-Cameron family. We will tour the Bennehan House, the Holman House (a four-room enslaved family dwelling), and the Great Barn. There are four well-preserved enslaved family dwellings on the site, which will provide the setting for our docent to talk about how enslaved families lived and worked on the plantation. We will stop for lunch (included) at a nearby restaurant, on our way to the Bennett Place State Historic Site. Here, On April 26, 1865, General Johnston surrendered to General Sherman the largest contingent of the Confederate Army at the end of the Civil War. We will tour the site, with time to explore the visitor center museum and watch a 17-minute film, Dawn of Peace.

Note: Wear comfortable walking shoes and dress for the weather. Participants must be comfortable walking for up to an hour in downtown Durham and at Stagville the 300 yards from the museum to the homestead and then short distances between the outbuildings, sometimes on uneven ground.

Course #: LLI-4-118-001

Date: Oct. 11

Limit: 25 Fee: $75.00

Includes: Tours, lunch, transportation by NC State school bus

Depart: 9:00 a.m.

Return: 4:15 p.m.

Registration Deadline: Oct. 4

Historic Durham

Did you know that, for many years, Durham had more millionaires than the rest of the state combined? A local historian will take us on a walking and driving tour of Main Street’s “ridge,” the site of Durham’s cotton mills, tobacco factories, colleges, hospitals, City Hall, County Courthouse, and earliest shopping districts. We’ll see several landmarks along the way from American Tobacco and 21c downtown, to Duke and Erwin Mills in the west. There is much to explore and learn, including: who wrote the song Tobacco Road, where Madonna took early dance lessons, who lived in a Ninth Street mill house and wrote The Gambler for Kenny Rogers, where Coach K gets his hair cut, where Elvis slept incognito in a caboose, and more! After lunch, we will drive to the Duke Homestead National Historic Site to learn about the Duke family, the history of tobacco in North Carolina and the history of Durham. We will view a documentary film Legacy of the Golden Leaf, which was the national winner in the Vision Award competition for 2002-2003, visit the museum and take a tour of the site, which includes Washington Duke’s Third Tobacco Factory (1869), and his 1852 Homestead.

Note: Wear comfortable walking shoes and dress for the weather. Participants must be comfortable walking for up to an hour in downtown Durham and at Stagville the 300 yards from the museum to the homestead and then short distances between the outbuildings, sometimes on uneven ground.

Course #: LLI-4-014-003

Date: Oct. 24

Limit: 32 Fee: $65.00

Includes: transportation on NC State University bus, all admissions and tours, and lunch.

Depart: 9:00 a.m.

Return: Approximately 4:15 p.m.

Registration Deadline: Oct. 17

Hindu Temples of the Triangle

A Hindu temple is a place of worship for all. Our short journey to Cary in the morning will take us to the Sri Venkateswara Temple, an example of a South Indian-style temple with very elaborate architecture. Our next stop will be to a North Indian-style temple in Morrisville, which is also home to the Hindu Society of North Carolina. We will learn about architectural styles, rituals and festivals, icons of worship, and educational initiatives. During this visit, it is possible that the temple may be conducting discourses or festival rituals, such as bathing an icon. Individual or group singing of chants may also be taking place. Our guide will explain all the details during the visit. Lunch is included and will be at a nearby restaurant that serves Indian food.

Note: You will be standing and walking for up to an hour on each of the tours. Wear socks, since you will be asked to take off your shoes when you enter the temples.

Course #: LLI-4-117-001

Date: Oct. 31

Limit: 30 Fee: $55.00

Includes: All tours, lunch, and transportation on NC State school bus

Depart: 9:15 a.m.

Return: Approximately 1:45 p.m.

Registration Deadline: Oct. 24

OLLI Seasonal Celebration

Join OLLI members, instructors, and staff in the McKimmon Center for our annual end-of-year gathering to celebrate the holiday season. We will be entertained by a variety of talented performers; most are OLLI members, offering gifts of prose, poetry, music and humor to put us in a festive mood! There is no charge for this event, but you are invited to bring along a small, disposable plate of your favorite holiday finger-food to share. The entertainment is at 3:00 pm, and refreshments follow the performances, when you will have a chance to mingle and chat with old friends, and perhaps make some new ones. We hope to see you there! (We like to have new content and performers every year, so please contact Joan Hardman-Cobb to pitch your talent!)

Course #: LLI-4-006-006

Date: Dec. 13

Limit: 220 Location: McKimmon Center - TBA

Fee: $0, for OLLI members only.

Time: 3:00 - 4:30 pm

Registration Deadline: December 11. This event is free to OLLI members, but you must register to attend.
The Osher Lifelong Learning Institute is financed primarily through membership and program fees. Please consider making a gift of any size to help enhance programming and support financial aid. In addition to The Bernard Osher Foundation and our catalog sponsors, we thank the following generous donors who have made contributions to OLLI at NC State in the current fiscal year.

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• Movie Group
• Paddling Group
• Questions Across the Spectrum Discussion Group
• Readers Theater Group
• Scrabble Group
• Trailblazers Walking Group
• Writers Group

You must be an OLLI member to participate in our Special Interest Groups. For more details about the SIGs, go to our website, www.ncsu.edu/olli or pick up a flyer in the OLLI office or classroom.

B-Western Film Preservation Society

Saddle up and join hundreds of fellow “Buckaroos and Buckarettes” of all ages to keep those wonderful B-Western movies and serials alive. Climb up in the saddle, ride the dusty trails and sing those melodic cowboy tunes with other B-Western movie fans. The B-Western Film Preservation Society, formed in 1981, meets at the McKimmon Center at 7:00 pm every third Thursday (except December, July and August). For more information, visit reelcowboy.org
Registration Procedures

OLLI membership is required for participation in courses, trips, and events. Membership fee for August 1, 2019 - July 31, 2020 is $50 per member. The fee is due at the time of enrollment.

Registration for OLLI membership and enrollment in any of its programs is open throughout the program year. Feel free to add courses or events after your initial registration.

Registrations are accepted first come, first served. Registering online is the quickest way to enroll and receive registration confirmation. You may also register:
- by telephone at 919.515.5782 and pay by credit card
- by coming to the OLLI office, room 225 at the McKimmon Center from 8:00 a.m. to 4:30 p.m., Monday through Friday.
- by mailing the registration form and a check to the address shown on the registration page.

Plan to attend on the scheduled dates unless you are notified of a change. Most classes meet in the McKimmon Center. Bring a sweater, rooms are sometimes chilly. OLLI reserves the right to cancel any class or event due to under-enrollment and to substitute faculty or make other changes as needed.

Online Registration

OLLI members are not required to register online, but there are many advantages to doing so. Online registration is the quickest way to register, with almost immediate enrollment and confirmation of your schedule.

Tips for registering online are available on our website: www.ncsu.edu/olli.

If the OLLI office has entered previous registrations for you or you’ve requested a catalog online, we have created an account for you. If you then wish to register online, please contact the office first so we can give you your User ID. This will avoid creating a duplicate account that might not have your membership attached to it. Once you are set up, you can use your account to view your class schedule as well as your history of classes taken.

New email, phone number or address?
Be sure to let us know so you receive the latest OLLI news!

Refunds

- Lectures, classes and study trips overlap in time. Transfer/drop fees apply if you double book yourself.
- Courses: Members may request a refund of a course by contacting the OLLI office at least two weeks prior to the start of the course. A $10 processing fee per member per transaction will be charged.
- No refunds will be given for courses/events with fees of $25 or less.
- Study trips/events: Refunds for study trips/events may be requested up to three weeks prior to the date of the event. However, because of contractual obligations with vendors and advance ticket purchases, full refunds cannot be guaranteed. A $10 processing fee will be deducted from any refund. Participants in multi-day trips are strongly encouraged to get travel insurance.
- A $10 fee will be charged per member per transaction if a member wants to change to a different class or event once his/her registration has been processed.
- If you cannot attend, we cannot allow substitution because of the existence of waitlists and the membership aspect of our program.
- If OLLI cancels a course or event, you will be notified and given a full refund (or you can apply the fee to another course or trip in the semester). Please allow three weeks for processing refunds.
- The membership fee will not be refunded.

OLLI Member Benefits/Wolfpack One ID Card

While the Wolfpack One ID card is not required to attend classes, members may want to obtain a Wolfpack One card in order to take full advantage of several university benefits.

- Member benefits requiring the Wolfpack One card:
  - Check-out privileges at NC State Libraries.
  - Movies at the Campus Cinema
  - Admission to non-revenue sports such as Wolfpack Women’s basketball, gymnastics, and men’s baseball, though subject to availability on the day of the event.

- No Wolfpack One card is required for the benefits below, but you will need to show a photo ID and let them know you are a current OLLL member:
  - Discounts on tickets for cultural events at Stewart and Thompson Theaters.
  - Use of Carmichael Gym (for additional fees). Contact the Gym.
  - No ID is required for access to the African-American Cultural Center
  - Transportation on the Wolfline bus system is free.

- You may obtain your Wolfpack One card after September 1 at the Campus ID Office located in the Talley Student Union. Talley Student Union is located between Cates and Dunn Avenues. The Campus ID office is immediately to your left from the Cates Avenue entrance. Parking is available in the pay lot in the Coliseum Parking Deck at the intersection of Cates and Jensen with a short walk to the Talley Student Union. The office is open from 8:00 am until 5:00 pm, Monday through Friday, and the phone number is 919.515.3090. If you join OLLI after September 1, allow two weeks for processing between the time you register with OLLI and when you get your Wolfpack One card. The card is free, but replacement cost is $20.
IMPORTANT INFORMATION

OLLI Annual Giving
OLLI is primarily funded through membership and program fees, as well as donations. Annual Giving allows us to keep program fees as low as possible and support financial aid. Include a donation when you register or go to our website and select “Give Now.”

Parking
Parking in the front lots of the McKimmon Center is free and usually plentiful. Park in the green-striped spaces. If we know in advance when parking will be tight because of other events at McKimmon, we will include that information in the class announcements and broadcast via email. Please note: There is no parking specifically designated for OLLI members. If attendants are present, let them know you are with OLLI and follow their directions.

Books
Most books are optional, and unless otherwise noted in the course description, can be ordered from Quail Ridge Books in North Hills Shopping Center, many at a 10% discount. Reference OLLI when asking for books. You may contact Quail Ridge Books at 919.828.1588.

NC State Libraries Benefits
OLLI members are entitled to privileges at the NC State Libraries, which includes the DH Hill Library (main library) and five branch libraries: JB Hunt Library, Natural Resources, Design, Veterinary Medical, and Textiles. Borrowing privileges and access to the Libraries’ extensive collections of books, journals, and most electronic resources are available. Please be aware that many electronic databases and journals may not be available to OLLI members because of licensing agreements. Computer access is prioritized for NC State students and faculty. During the final exam periods, the libraries are open only to faculty and students enrolled in courses for credit. To register for privileges, OLLI members must activate the Wolfpack One card at the help desk before checking out materials.

Financial Aid
Members with limited discretionary income should contact us if financial assistance is needed in order to enroll in a six-week course. Generous donations by our members support financial aid. Contact the OLLI office to complete the brief financial aid application, which is also on our website (must be renewed annually). All information is kept confidential.

Lunch/Mckimmon Corner Café
While at the McKimmon Center, OLLI members can become better acquainted with each other at the McKimmon Corner Café, which offers coffee, light meals and snacks.

Photographs
By registering for OLLI, you give us permission to use your photo. If you do not wish to be photographed, please notify the photographer at the event.

Class Cancellations Due to Weather/Climatic Conditions
All OLLI programs, including off-site classes and study trips, will be cancelled when the Wake County Public Schools close to students because of bad weather or catastrophic events. Wake County School delays do not affect OLLI’s schedule. Listen to local radio and television for announcements. If you are in doubt, call the OLLI office at 919.515.5782 or check the Twitter feed on our website.

Transportation Assistance
Do you need a ride to the McKimmon Center in order to attend classes? If so, Accessible Raleigh Transportation (ART) provides transit service to persons who qualify under the ADA. Call 919.996.3459 for more information. Cary residents can contact GoCary at 919.469.4086. Members can also use the NC Wolfl ine for free. Go to NC State’s website, search for Transportation to locate bus routes.

Physical Needs
The McKimmon Center is accessible. OLLI can make accommodations for special physical needs; please contact the office at least two weeks prior to the start of the class.

For the Latest News....
Go to our website and click on “latest news.” On Facebook you can view photos from events and trips, learn about interesting events going on at NC State and in our community, read relevant news stories and posting from our community friends. Follow the link on our website; “like” us and you can post content of your own!

OLLI is a unit of the McKimmon Center for Extension and Continuing Education at North Carolina State University. The information shared and/or opinions expressed are a reflection of the individual presenter(s). The ultimate responsibility for any decision made or actions taken based on the information provided rests with the member.
Have the OLLI You Want – Get Involved!

OLLI at NC State reflects its members’ interests and desires. It is a collaborative effort among staff and volunteers, both members and instructors. Here are some of the ways you can help make a difference in your OLLI:

• Be a Class Host and welcome our volunteer instructors
• Join and help organize a special interest group
• Contribute to our member blog OLLI Voices
• Enjoy planning and welcoming members at OLLI’s social events via the Hospitality Committee
• Help keep program fees low and ensure OLLI’s future through the Finance & Development Committee
• Spread the word about OLLI via the Membership Development & Marketing Committee
• Serve on a subject-area Program Subcommittee and convert your ideas into courses!

Learn more by going to the OLLI website and selecting the Get Involved option.

"Volunteering for OLLI is fun! I love the program and want to grow it, enrich it, and keep it going."

NC State University does not practice or condone discrimination in any form and is committed to securing equal opportunity in education regardless of race, color, national origin, religion, creed, sex, age, disability, veteran’s status, genetic information, or sexual orientation.
OLLI ADVISORY COUNCIL

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Barbara Buescher
Don Berg
Randy Fraser
Jay Confalone
Mike Rakouskas
Tina Certo
Lan-Anh Dang
Lynn Dix, Chair
Tina Certo
Carol Rahmani
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Lan-Anh Dang
Rita Baur
Maureen Deis
Margil Conrad
Maureen Deis
John Davis
Barbara Buescher
Carol Rahmani
Tina Certo
Rita Baur
Maureen Deis
John Davis

STANDING COMMITTEES

These committees -- composed of OLLI members -- help guide, promote, and develop OLLI programming. Contact us for more information about volunteering on a committee.

PROGRAM DEVELOPMENT
Barbara Buescher, Chair
Randy Fraser
Steve Sakofsky
Tina Certo
Bill Pace
Ed Speas
Lynn Dix, Chair
Carol Rahmani
Alan Wood
Karen Orlovich
Karen Orlovich

MEMBERSHIP DEVELOPMENT & MARKETING
Lea Ackerman
Debbie Beroth
Rita Baur
Margil Conrad

PROGRAM SUBCOMMITTEE MEMBERS

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Eugene Ball
Joe Gosselin
David Heilner
David Heilner
Diana Hutchinson
Sharon Jeffers
Ken Katzeff
Maggie Kehoe
Charlie Kronberg
Tom Landsittel
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Karen Orlovich,
Jo Adams
Sally Alcorn
Sue Banks
Nancy Byrd
Meg Calcagni
Grace Ann Chirico
Karen Orlovich,
Sylvia Gill
Chair
Jo Adams
Sally Alcorn
Sue Banks
Nancy Byrd
Meg Calcagni
Grace Ann Chirico
Sylvia Gill
Chad Korte
Linda Shell
Ray Fornes

HOSPITALITY COMMITTEE

Karen Orlovich,
Chair
Jo Adams
Sally Alcorn
Sue Banks
Nancy Byrd
Meg Calcagni
Grace Ann Chirico
Karen Orlovich,
Sylvia Gill
Pat Heiden
Tim Hoyt
Carol Jones
Marie Kehres
Mike Rakouskas
Candy Robinson
Adele Rogan
Andrea Sweyars
Arlene Wouters

FINANCE & DEVELOPMENT

Tom Hutchinson, Chair
Barbara Brown
Russ Brownell
John Hemperly
Bill Jones
Allyn Kosenko
Holly Wellman

OLLI VOICES
Barbara H Ryan
Mercedes Horton
Larry Kingsley

PHOTOGRAPHER: Julia Daniels

VOLUNTEER COORDINATOR: Linda Shell
Reminders Before You Check Out:

- Courses, lectures, and study trips may overlap in time. Please review your schedule before checking out.
- If you are new to registering online, check out the tips sheet on our website.
- Do you prefer to view courses by subject area or day of the week? Listings of courses by subject and day of the week are available on our website.
- Fall semester is the time of year when everyone renews their membership. OLLI memberships run from August 1 - July 31 of every year.
- Please consider a donation to support the program and keep fee increases a rarity.
- We use email to communicate with our members. Please make sure we have your correct email address. Important communications include handouts from classes and alerts about parking and class schedule changes.

Where to Find Us

Raleigh, North Carolina

1101 Gorman Street
We encourage registration online or by phone:

**Online:** ncsu.edu/olli  **Phone:** 919.515.5782

*If you choose to register by mail, fill out this form, include check (payable to OLLI) or credit card information and mail to: OLLI NCSU CB 7401 Raleigh, NC 27695*

**OLLI FALL 2019 REGISTRATION**

Name ______________________________________________________________________________________________
Address ____________________________________________________________________________________________
City/State/Zip _______________________________________________________________________________________
Primary Phone______________________________________ Other Phone____________________________________
Email ______________________________________________________________________________________________

New to OLLI? Yes ____  No____  If yes, how did you hear about OLLI? _______________________________

**Example:**

<table>
<thead>
<tr>
<th>COURSE/LECTURE/STUDY TRIP #</th>
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<th>FEE</th>
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<tr>
<td>LLI-2-001-001</td>
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<td>$35</td>
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<tr>
<td>Annual Membership (August 1, 2019 - July 31, 2020)</td>
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Donation to OLLI

For OLLI use: _______________________________________________________________________________________

<table>
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<th>TOTAL</th>
<th>$</th>
</tr>
</thead>
</table>

**PAYMENT OPTIONS**

VISA____  Mastercard ____  American Express ____  Check # ________________
Card # ____________________________________________________  Exp. Date __/__/___ CVV Code ______
Name as appears on card (print) ________________________________

For additional copies of this form, go to our website at www.ncsu.edu/olli
Contact us at 919.515.5782, Room 225 of the McKimmon Center.

If you no longer wish to receive this catalog, please let us know.

OLLI at NC State:
More than just great classes!