NC STATE UNIVERSITY

Fall Semester 2020
First term: September 14 - October 23
Second term: October 26 - December 11

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

Osher Lifelong Learning Institute
Welcome to OLLI’s Virtual Classroom!

We are so excited to launch our Fall 2020 Semester. All summer long, OLLI staff, our generous volunteer instructors, and our Program Development Committee and Subcommittee members have been working together to make the necessary transition to an all-Zoom fall semester. OLLI has always been a highly collaborative, team-effort, but perhaps never more than now.

For those of you who crave face-to-face contact (with masks, of course!), we are offering four study trips, with modifications so that we continue to do our part to stop the spread of COVID-19. And you will find a hopeful note in this catalog as well -- an opportunity to sign up for OLLI’s Seasonal Celebration, which we hope to hold in the McKimmon Center in December.

Here’s how you can help make it a great semester:

- Think of Zoom as a Virtual Classroom; imagine yourself in the McKimmon Center classroom space, and follow the typical etiquette that is the norm in our physical classroom space.
- Enable your camera on your computer or smart device -- our volunteer instructors have been so generous and flexible in moving to the Zoom platform. It can be more challenging to teach in this environment; please do your part by showing your face to the instructor. Instructors feed off of energy shown on the faces of their participants. You can make it a better experience for everyone by actively participating in class.
- Participate in our Zoom socials; these were quite a hit this spring and summer. Don’t miss out on the fun and the chance to meet fellow OLLI members in a more casual setting.

Are you new to Zoom? Click here to view our tips for getting started.

With gratitude to all who make the OLLI Virtual Classroom a success,

Tricia Inlow-Hatcher
Director, OLLI at NC State

OLLI staff at one of our many virtual meetings this summer!
Monday

**YouTube Boot Camp**

Would you like to be a YouTube broadcaster? Do you have instructional video content to share with the world? Maybe you’d just like to share videos of your hobby or travels? Or perhaps you have an idea for the next big YouTube channel and you’d like to try your hand at achieving fame and making money in this medium. In this class, we’ll go through everything from setting up your YouTube channel to creating and uploading content. We’ll discuss the equipment you need (including how to do YouTube on a budget) and how to get your channel noticed. If you want to jump into the world of YouTube, this class is for you.

**Instructor:** Doug Hall; BS, Electrical and Computer Engineering, NC State University; engineer and technologist working in the the field of communications and signal processing; has spent the last 40+ years using, praising, and cursing computers; entrepreneur, inventor and holds multiple patents in a variety of technologies; amateur Ham radio enthusiast/broadcaster.

**Course #:** LLI-2-208-001  
**Three Sessions:** 9:00 - 10:30 a.m.  
Sept. 14, 21, 28  
**Limit:** 30  
**Location:** Online  
**Fee:** $40.00  
**Registration Deadline:** Sept. 10

**Learning to Love the “New” High School Mathematics**

Delve into today’s Math 1 (which replaced the Algebra 1 of our day) to develop a deeper understanding of how this first college prep math course has changed. You will visit some big ideas about rate of change in two and three-dimensional space. You will gain a better understanding and appreciation of what your grandchildren are learning in middle or high school. In each session, we’ll do activities that will engage you in problem-solving and mathematical reasoning, which you can then share with your grandchildren or others. In this interactive class you will gain insights into how to help your grandchildren with homework or simply to have fun with mathematical ideas that align with the new NC Math Curriculum. Questions are always welcome. It is recommended that you have the microphone and camera enabled on your computer or smart device to get the most out of this class.  

**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-2-209-001  
**Three Sessions:** 9:00 - 10:30 a.m.  
Oct. 5, 12, 19  
**Limit:** 24  
**Location:** Online  
**Fee:** $40.00  
**Registration Deadline:** Oct. 1

”Life without OLLI would not be the same. When the registration period opens each semester, I rush to learn what’s available. It’s like Christmas morning when I was a child!”

**Buckle Up, Buttercup: Navigating Public Health Crises and Controversies**

Public health systems are inherently political, and often viewed as too expensive until an epidemic or a disaster occurs. Threats to national and global public health include: emerging and re-emerging infections, “diseases of despair” including depression, opioid use, overdose and suicide; resurgence of vaccine-preventable diseases; racial and ethnic health disparities; violence; antibiotic resistance; pollution and environmental destruction. The public health approach includes four steps:

- Defining the problem by systematic data collection on the magnitude, scope, characteristics and consequences of the problem.
- Establishing why the problem occurs by identifying causes and correlates, factors that increase or decrease the risk, and factors that could be modified through interventions.
- Learning what works to prevent the problem by designing, implementing and evaluating interventions.
- Implementing promising interventions in a wide range of settings, monitoring their effects on risk factors and target outcome(s), and evaluating their impact and cost-effectiveness. A common theme will be the vital need to build a strong global public health network to protect humankind from complex new threats.

**Format:** fact sheets/handouts will be emailed a week prior to class, giving an overview on the magnitude, characteristics and impact of the problem; identifying known risk factors, testing proposed interventions and evaluating their effectiveness; class will involve an overview followed by a seminar discussing each unit and current developments (HotTopics) in public health.


**Instructor:** Mark Long, MPA, Univ. of Georgia; worked for 38 years in public health and research oversight for the Centers for Disease Control and Prevention, The University of Medicine and Dentistry of NJ, St. Jude Children’s Research Hospital, and in the Dept. of Veteran Affairs; has taught OLLI courses on public health, human research abuses, ethics, racism and the history of science.

**Course #:** LLI-1-439-001  
**Six Sessions:** 10:45 a.m. - 12:15 p.m.  
Sept. 14, 21, 28, Oct. 5, 12, 19  
**Limit:** 40  
**Location:** Online  
**Fee:** $55.00  
**Registration Deadline:** Sept. 10
Jack Kerouac: On the Road and the Beat Movement

*On The Road,* published in 1957, was a literary and cultural sensation and has maintained its reputation as one of the top 100 American novels of the 20th century. We will do a close reading of the novel, in the context of Kerouac’s life and other writings, postwar (1945 to 1960) America, and the Beat Movement. We will also read the memoir Joyce Johnson published in 1983 about her relationship with Kerouac and other writers during the postwar period, focusing on the roles and social status of women.

**Required:** *On the Road*, Jack Kerouac; *Minor Characters: A Beat Memoir*, Joyce Johnson

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

**Course #:** LLI-1-435-001

**Six Sessions:** 1:15 - 2:45 p.m. Sept. 14, 21, 28, Oct. 5, 12, 19

**Limit:** 100  **Location:** Online  **Fee:** $55.00  **Registration Deadline:** Sept. 10

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**Before you register . . .**

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.

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**Great Books Discussion:** “Great Conversations 5”  
(Mondays)

Join us for great conversations about classic texts. We’ll be reading selections from *Great Conversations 5*, an anthology compiled by the Great Books Foundation and available for $24.95 at store.greatbooks.org. The course spans two terms to allow time for thoughtful reading between sessions. Our schedule:

- **Sept. 14:** John Keats, *Selected Poems*
- **Sept. 28:** Ryunosuke Akutagawa, *Hell Screen*
- **Oct. 12:** Eudora Welty, *A Still Moment*
- **Oct. 26:** George Santayana, *Masks*
- **Nov. 9:** Ruth Benedict, *Anthropology and the Abnormal*
- **Nov. 30:** Doris Lessing, *To Room Nineteen*

**Required:** *Great Conversations 5*; purchase for $24.95 at store.greatbooks.org. Enroll in this course only if you are willing to complete the readings, actively participate in class discussions, and use the camera on your computer or smart device during the online discussions.

**Note:** There are two different offerings of this course; choose the one that best fits your schedule.

**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-1-445-001

**Six Sessions:** 3:00 - 4:30 p.m. Sept. 14, 28, Oct. 12, 26, Nov. 9, 30

**Limit:** 15  **Location:** Online  **Fee:** $55.00  **Registration Deadline:** Sept. 10

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Landscape and Design–From Cloister to Public Parks

We will examine the history of landscape and garden design from the Renaissance through about 1900. Letters describing Roman villas, along with the existing ruins of Hadrian’s villa at Tivoli, stimulated European-wide desire to evoke and surpass the past. Visitors to Italy returned home eager to update their national landscape styles. After a period of aristocratic activity, ideas about serving “the public” began to emerge, leading to our current enjoyment of parks as natural relief areas within cities.

**Instructor:** Dr. Harry Titus; educated in Art and Architectural History at the University of Wisconsin-Milwaukee and at Princeton University, where he earned a Ph.D degree; he was a member of the Art Department at Wake Forest University for 33 years before retiring to Raleigh, where he has been a volunteer teacher at Longleaf School of the Arts for the last 6 years; his special interest is French Gothic Architecture and Art.

**Course #:** LLI-1-434-001

**Six Sessions:** 1:15 - 2:45 p.m. Sept. 14, 21, 28, Oct. 5, 12, 19

**Limit:** 15  **Location:** Online  **Fee:** $55.00  **Registration Deadline:** Sept. 10

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A Nostalgic Ride Through the Borscht Belt

The Borscht Belt was a name given to an area in the Catskill Mountains that consisted primarily of Jewish resorts where dozens of entertainers became famous. Instructor Stan Darer, assisted by his wife Nadine, will take a 200-year historical look at this area, which will lead up to the golden age of the Borscht Belt from 1940 into the 1970s. Learn how these “Jewish Alps” came into existence. This course will reminisce about those times and that place that featured over 500 hotels and 50,000 bungalows. You will enjoy the singers and comedians who kicked off their careers in the Borscht Belt and share personal memories. Finally, you will learn what has become of this magical place.

**Instructor:** Stan Darer; BA, Economics, Lehman College, City University of New York; 38-year career in finance in the electrical supply industry; volunteers for several organizations in Raleigh, including Lead Mine Elementary School, Red Cross, Temple Beth Or, and Bedford Over 55 Club; has served on OLLI Membership Development and Marketing Committee and Program Committee.
Neuroscience of Politics

The goal of this course is to explore current neuroscience in relationship to political belief systems. To begin with, we will review general neuroanatomy of the human brain followed by the primacy of sensation and perception in the development of cognitive processing. We’ll have a general overview of the development in a moral belief system with respect to political partisanship. And we’ll cover brain testing and studies focused on the differentiation of the brain structure of liberals vs. conservatives. Finally, we’ll enjoy a general discussion of what this all means individually and as a society.


Instructor: David Heilner, MD; BA, Psychology and MD from College of Medicine, University of Vermont; Psychiatric Residency, Maine Medical Center, Portland; private practice in adult psychiatry, sub-specialization in PTSD and DID, now retired; Board certified in Psychiatry and Neurology, member APA, MPA; OLLI member.

Course #: LLI-1-312-002

Six Sessions: 9:00 - 10:30 a.m.
Sept. 15, 22, 29, Oct. 6, 13, 20

Limit: 50 Location: Online
Fee: $55.00

Registration Deadline: Sept. 10

Our Rapidly Changing Climate

We are failing to effectively control the rapid changes in Earth’s environment. These classes will examine our changing atmosphere and current scientific understanding of the changes that are occurring in our environment. We will consider the historical changes in planet Earth, as well as the changes in the Arctic and in the world’s oceans. Scientists around the world are focused on how we can reduce the climate impact. We must begin to answer the question “What can we do to avoid the effects of a run-away greenhouse and how can we best protect life on this living planet?”

Our goals for this course are to improve our understanding of climate change to enable us to encourage leaders in government and businesses to better protect our environment, while challenging each of us to do our part to reduce our individual impacts on Earth’s environment.

September 15 – Atmospheric Processes Which Impact Our Future Climate. The atmospheric greenhouse gases from internal combustion engines and power generators, combined with effects of fracking/ mining and distribution operations, are changing Earth’s temperature because of changes in optical properties of our atmosphere. Dynamical processes that govern the distribution of gasses and aerosols in the lower atmosphere are also causing changes in our climate. We are seeing the global warming effects from our industrialized planet which are gradually adding hydrocarbon gases that trap additional heat in our atmosphere.

Presenter: Dr. Russell Philbrick; BS, MS, and PhD, Physics, NCSU; Res. Prof. Physics and MEAS, NC State; Emeritus Prof., Penn State Univ; USAF Retired.

September 22 – A Long-term Perspective on the Changing Climate. What do we know about how climate has varied over thousands to millions of years of Earth history and how do we know it? How do climate changes in the past compare to those we anticipate in the future?

Presenter: Dr. Lonnie Leithold; BS, Geology and Geophysics, Univ. of Wisconsin-Madison; MS, PhD, Geology, Univ. of Washington, Prof., Dept. of MEAS, NC State.

September 29 – Consequences of Earth’s Melting Ice. This session will take a closer look at how glaciers, ice sheets, and permafrost regions are responding to modern climate change and the implications these responses have for other Earth systems. The cryosphere is diminishing in both total mass and spatial extent: ice sheets, alpine glaciers, tropical glaciers, and permafrost are experiencing unparalleled rates of ablation, melt, degradation processes, and retreat. While the Antarctic and Greenland Ice Sheets store the majority of the Earth’s ice and are ultimately capable of contributing the largest volumes to sea level rise and other impacts, the other components of the Earth’s cryosphere have considerable and imminent geologic consequences for local communities and ecosystems.

Presenter: Dr. Carli Arendt; BS, Geology, Univ. of Wisconsin-Madison; MS, PhD, Earth and Environmental Sciences, Univ. Michigan-Ann Arbor; Asst. Prof., MEAS, NC State.

October 6 – The Future Climate of North Carolina – Uncharted Waters. The ongoing increases in atmospheric greenhouse gases, if allowed to continue along the present trajectory, will change the climate of North Carolina in profound ways. Our scientific knowledge of the climate system provides a firm basis for reliably projecting certain climate changes. The foundations of this knowledge include observed recent climate changes, our understanding of the basic physics of the atmosphere, and experiments using complex and sophisticated computer models of the climate system. This knowledge underlies the content of the recently released North Carolina Climate Science Report, which responds to Governor Cooper’s Executive Order 80. The virtual inevitability of some of these changes should spur immediate actions to protect the State’s citizens.

Presenter: Dr. Kenneth Kunkel; BS, Physics, Southern Illinois University; MS, PhD, Univ. of Wisconsin-Madison; Prof. Dept. MEAS, NC State.

October 13 – Climate Change in High-Latitudes and Oceanic Environments. This class will explore the nature of Climate Change as it impacts oceanic processes such as sea-ice formation, global ocean circulation, ocean acidification, and sea level rise. Anthropogenic emission of carbon dioxide is a dominant cause of global warming, so a systematic discussion of carbon dioxide atmospheric sources and sinks will be presented so the
class can appreciate the processes driving recent Climate Change. With presidential elections coming up in November, some of the discussion will focus on the Paris Agreement, and the associated responsibilities of the United States (the largest carbon dioxide emitter over time, in the world).

**Presentation:** Dr. Dave DeMaster; BS, Chemistry, Univ. of Wisconsin; MS, PhD, Marine Geochemistry, Yale; Professor, Dept. of MEAS, NC State.

**Event:** October 20 – Work to Improve Our Environment – A Group Discussion.

The instructors and class members will discuss plans for action that we can take to engage others in the critical work to protect our environment. It is necessary to change our path to expect a living environment on Earth. There are many small things that each of us can do every day, but we must also begin to focus on the larger issues. We must challenge government leaders and corporate executives to work on reversing the ways we are damaging our environment.

**Course #:** LLI-1-269-003

**Six Sessions:** 10:45 a.m. - 12:15 p.m.

Sept. 15, 22, 29, Oct. 6, 13, 20

**Limit:** 100  
**Location:** Online

**Fee:** $55.00

**Registration Deadline:** Sept. 10

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“**OLLI courses help me to stay intellectually curious and knowledgeable about life issues.”**

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**The Women of Color in the Suffrage Movement**

In 2020, we are celebrating the 100th anniversary of the 19th Amendment. Looking back on this milestone in civil rights legislation, familiar names come to mind—Anthony, Stanton, Catt, Paul. We’ll focus on lesser known women of the movement, particularly African American, Native American, and immigrant women who struggled against both race and gender discrimination. Most women of color didn’t gain the right to vote in 1920 due to restrictions based on race. They also fought racism within the movement, taking bold stands such as when Ida B. Wells refused the directive to march at the back of the suffrage parade in Washington, D.C. in 1913. Their suffrage activism was one chapter in an ongoing pursuit of justice in America.

**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-2-216-001

**Three Sessions:** 10:45 a.m. - 12:15 p.m.

Sept. 15, 22, 29

**Limit:** 100  
**Location:** Online

**Fee:** $40.00

**Registration Deadline:** Sept. 10

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**Taxes - What’s Now? What’s New?**

Regardless of how often our tax laws change, there will always be many tax-saving ideas available. Some old, some new, some “maybe.” We will present 50 or more “Tax Tips and Traps” that you may find useful. We plan to cover retirement plans, gifts/estates, investments/business, family situations, charitable giving, tax rates, IRS examinations and other such exciting topics. This being an election year, we will also critique some of the candidates’ tax proposals. And, as always, we look forward to hearing your tax questions and comments.

**Instructor:** Stan Hill, CPA; BS, Accounting, UNC-Wilmington; over 30 years of experience in public accounting and trust banking; advocate for financial literacy through NC Assoc. of CPAs and Dave Ramsey Financial, Peace Univ.; Managing Partner of Watts & Scobie in Cary, NC, which serves individuals, small business owners and nonprofits.

**Presentation:** Lee Tate; MBA in Computer & Information Science, Temple University; retired senior manager

**Course #:** LLI-1-450-001

**Four Sessions:** 1:15 - 2:45 p.m.

Sept. 29, Oct. 6, 13, 20

**Limit:** 60  
**Location:** Online

**Fee:** $40.00

**Registration Deadline:** Sept. 24

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**Talking about Race and Ethnicity**

The “living room conversation” format provides us with a structure and conversation agreements by which we can explore our experiences with and feelings about people who differ from us racially and ethnically. At the beginning of each session we will review the conversation agreements; we will then respond to a set of structured questions. This forum is designed to help us listen thoughtfully and non-judgmentally to others, and to serve as a place where we can be listened to. It is not a place to debate or attempt to persuade others of your views. The co-moderators will ensure equal “air time” for all participants and keep the discussion on track. We’ll discuss:

- The meaning of race and ethnicity
- How we interpret race and ethnicity
- Our experiences with people of different races and ethnicities
- Any feelings that have resulted from our lived experience with race and ethnicity

This course is participative and interactive, and includes opportunities to help you better understand how you interact with people who are racially and culturally different from you. This course requires that you have a microphone and camera enabled on your computer or smart device.

**Instructor:** John Luecke; bachelor’s and master’s in communication, University of Wisconsin-Milwaukee; worked in the corporate public relations before transitioning to teaching; earned an intercultural studies certificate from the Intercultural Communication Institute and University of British Columbia; taught communication at High Point University and the University of Wisconsin-Whitewater.

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**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.

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**Three Sessions:** 10:45 a.m. - 12:15 p.m.

Sept. 15, 22, 29

**Limit:** 100  
**Location:** Online

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**Registration Deadline:** Sept. 10

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with extensive experience in leading diverse teams; career has focused on delivery excellence through communication, accountability, collaboration and leadership; currently serves as Lead in workshop “Living the Pledge to End Racism.”

**Course #:** LLI-2-210-001  
**Three Sessions:** 3:00 - 4:30 p.m.  
Sept. 15, 22, 29  
**Limit:** 10  
**Location:** Online  
**Fee:** $40.00  
**Registration Deadline:** Sept. 10

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**Planning North Carolina’s Future**

Many US cities are experiencing growth in population, primarily due to in migration. This puts pressure on infrastructure and institutions which, in turn, affects quality of life and the prospects for future growth. Rural areas of North Carolina face different challenges. However, these issues also affect regions beyond the control of individual city and county governments. This course will examine the tools and policies that can be employed to stimulate and manage challenges and issues.

**Sept. 22:** We make most development, infrastructure, and environmental decisions at the local government and state government level. But many of the issues these decisions address, from transportation to water resources to housing markets, are really regional in scale. Learn about the Triangle region’s growth and how we can plan for a better regional future.

**Presenter:** John Hodges-Copple; Planning Director, Triangle J Council of Governments  
**Sept. 29:** Cities in the new millennium face a vastly transformed landscape, as old preoccupations such as downtown decline and suburban sprawl have receded in the face of resurgent urban cores, gentrification, declining affordability, and rising infrastructure costs. This session will give an overview of 21st century urban challenges and what cities are doing to meet them.

**Presenter:** Kenneth Bowers; City Planning Director, City of Raleigh

**Oct. 6:** We will discuss the drivers of community transformation and what actions can be taken to ensure rural communities can thrive in the face of a rapidly changing world. This “unfiltered look” will include a data snapshot of rural North Carolina’s changing people and economy, a survey of the legislative landscape around rural economic and community development, and a discussion of the ongoing challenges presented or exacerbated by COVID-19.

**Presenter:** Patrick Woodie; President, NC Rural Center  
**Course #:** LLI-2-218-001  
**Three Sessions:** 3:00 - 4:30 p.m.  
Sept. 22, 29, Oct. 6  
**Limit:** 60  
**Location:** Online  
**Fee:** $40.00  
**Registration Deadline:** Sept. 17

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**Down on the Farm: Yesterday and Today**

Two hundred years ago, farmers planted their crops and performed agricultural practices by the signs of the moon. Today, farmers look to the skies for assistance, but instead of looking at the moon, they use GPS coordinates to plant crops and employ drones to check on their livestock. Today, one farmer feeds 166 others; one hundred years ago, the farmer could feed seven others. In this class we will look at how agriculture and education have evolved since the early days of the republic. Lessons include:

- Agriculture (and Education) in Colonial America
- Land-Grant Colleges – What Are They and Why Were They Created?
- Agricultural Experiment Stations – Bringing Science to Agriculture
- Taking Knowledge to the Farmer – Agricultural Institutes and the Cooperative Extension Service
- Agricultural Education, FFA and 4-H in the Modern Era
- Ten Myths and Misconceptions about Modern Agriculture

**Recommended Reading:**
See the online course description for recommended reading for each week.

**Instructor:** Dr. Gary Moore; Professor Emeritus, Agricultural and Extension Education, NC State University; member of the NC State University Academy of Outstanding Teachers; has made presentations in 41 states, four Canadian provinces and on four continents

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**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. 13 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-Milwaukee; 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-2-083-005  
**Two Sessions:** 3:00 - 4:30 p.m.  
Oct. 6, 13  
**Limit:** 100  
**Location:** Online  
**Fee:** $0  
**Registration Deadline:** Oct. 1
The Gift of Years – Growing Older Gracefully

In this course, we will discuss the first half of Joan Chittister’s *The Gift of Years*. Chittister is a kind optimist about the richness of life’s harvest as we grow older. She encourages our own reflection, review, and sharing of our hopes, fears, and learning as we age. At the end of each short chapter, Chittister summarizes by stating the “Burdens” and “Blessings” of aging in various area of living. We will discuss the first 20 of the book’s 40 topics. Examples are: “Regret,” “Ageism,” “Fear,” “Letting go,” “Adjustment,” “Fulfillment,” and “Mystery.” This class will address a few of Chittister’s topics each week. After brief discussion of a topic, we will break into smaller dyads and triads to share personal experiences of aging in the topic. Recognizing that each person has precious and meaningful life-wisdom, we will share our experiences regarding the “Burdens” and “Blessings” of that topic in aging. Before going on to the next topic, we will harvest discovered nuggets of life wisdom from the whole group. Guidelines for confidentiality, sincere sharing, and deep listening will be maintained. This course provides an opportunity to explore what your own aging means to you and learn what it means to others.

**Required:** *The Gift of Years*, Joan Chittister.

**Note:** It is expected that participants will enable both their camera and microphone on their computer or smart device in order to contribute to the discussions.

**Instructor:** Don Adams, Ph.D.; retired Child and Family Psychologist who practiced in the Triangle Area for 50 years; after education and training at Haverford, Stanford, and Duke, he settled his family and his practice in Cary; upon retiring in 2015, Don began a new career as a Certified Sage-ing Leader and as Sage-ing International’s Education Team Leader; he has facilitated the basic Sage-ing introductory program, “Awakening the Sage Within;” 3 times for OLLI; in addition to mentoring elders, he is a grandfather to 17 grandchildren, and an active writer of more than 75 life stories to leave as part of his life-legacy.

**Course #:** LLI-1-449-001

**Six Sessions:** 9:00 - 10:30 a.m.

**Sept. 16, 23, 30, Oct. 7, 14, 21**

**Limit:** 100  

**Location:** Online

**Fee:** $55.00

**Registration Deadline:** Sept. 10

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New to registering online?
Check out our “Tips” at [www.ncsu.edu.olli](http://www.ncsu.edu.olli)

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**The Election of 2020: Viewed Through Unorthodox Perspectives, Uncommon Concepts and the Arts**

This course will examine, as it unfolds, the election of 2020. We will do so not through the more common analytical framework of polling, turnout, electoral politics, and political campaigns (though we will be following those), but by utilizing perspectives and concepts that will illuminate the meaning of the election in ways that reveal some of the more hidden aspects of our politics, culture, and society. We will be joined this semester by students from other countries and will hear from representatives of groups who will tell us how they view the election from the perspective of “outsiders.” We will use the theoretical concepts of “alienation,” the “absurd,” “fear” and “resentment” as surgical tools to bring into view some of the underlying drivers of the electoral process. Finally, we will be incorporating the arts in their capacity to re-present reality in ways that make us see things differently.

**Instructor:** Tony Solari; Ph.D, Political Science, Duke Univ.; has been teaching political science since 1986; specializes in political philosophy, American government and politics, American political thought, and legislative politics and policy; author of a number of articles and papers; former legislative liaison for the Department of State Treasurer, lobbied for NC’s “Smart Start” program and currently is president of Solari Government Solutions, a private lobbying firm.

**Course #:** LLI-1-446-001

**Six Sessions:** 10:45 a.m. - 12:15 p.m.

**Sept. 16, 23, 30, Oct. 7, 14, 21**

**Limit:** 100  

**Location:** Online

**Fee:** $55.00

**Registration Deadline:** Sept. 10

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**Communication Skills: Assert Yourself, Listen Actively, Cope with Difficult People**

In our everyday lives, we are faced with numerous communication challenges and opportunities. We experience difficult interactions with family members, friends, work colleagues, and even strangers. In this course, we will practice the skills of assertive communication, active listening, and communicating with difficult people so that we may communicate more effectively in these challenging interactions.

**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-1-129-004

**Six Sessions:** 10:45 a.m. - 12:15 p.m.

**Sept. 16, 23, 30, Oct. 7, 14, 21**

**Limit:** 20  

**Location:** Online

**Fee:** $55.00

**Registration Deadline:** Sept. 10

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**Frank Lloyd Wright – The Man and His Architecture**

The American Institute of Architects hailed him as the “greatest American architect of all time.” Frank Lloyd Wright would have agreed with their assessment of him. He compared himself to Michelangelo. He was
a romantic intellectual who was opinionated, eccentric, and arrogant. He was an author, philosopher, teacher, lover of fast cars, custom made clothing, intelligent women, and Beethoven symphonies. Join us as we examine his legacy, his philosophy of organic architecture, and his colorful life. His residential designs include Fallingwater, called the “greatest home ever designed.” Slides, videos, and handouts will highlight his designs of homes, places of worship, and civic and business buildings, including the Guggenheim Museum, the S.C. Johnson Wax Headquarters, and the Marin County administrative complex.

**Instructor:** Peter Blaufeux AIA; BFA in Design, Temple University; BA, City University; B of Architecture, City University; emeritus member of the American Institute of Architects, and past president of the Illuminating Engineering Society; led the New York City region healthcare design practice of a large, multi-national, architecture-engineering-construction corporation; his designs won an IES Lumen Lighting Design award and an IBD Institutional Design award; he co-directs theatrical productions and organizes acting workshops.

**Course #:** LLI-1-430-001  
**Five Sessions:** 1:15 - 2:45 p.m.  
**Sept. 16, 23, 30, Oct. 7, 14**  
**Limit:** 100  
**Location:** Online  
**Fee:** $55.00  
**Registration Deadline:** Sept. 10

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### Thursday

**Speaking Truth to Power: Whitman and the Poets of Witness**

“True literary artists bear witness to the challenge of the human condition as lived in their particular time and place.” Whitman fulfilled this vocation in many of his “public voice” works about New York and the Civil War. We will read and discuss some of these poems in tandem with U.S. and international poets, some of whom directly address Whitman in their own productions. We will consider specific poems by Pablo Neruda, Pedro Mir, Allen Ginsberg, Adonis (Ali Ahmad Sa’id), Brian Turner, as well as Lenard D. Moore and Kim Arrington of the Carolina African American Writers’ Collective.

**The Complete Poems of Walt Whitman** is the only required purchase. Works by the other poets will be made available free by OLLI as pdf files. This is a reading/discussion class. If time allows at the end of the course, class members will be invited to present a favorite poem of witness, OR to read their own (short) composition.

**Required:** The Complete Poems of Walt Whitman (New York: Penguin, 2005)  
**Note:** Participants will be expected to enable the camera and microphone on their computer or smart device for the discussions.

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

**Course #:** LLI-1-454-001  
**Six Sessions:** 3:00 - 4:30 p.m.  
**Sept. 16, 23, 30, Oct. 7, 14, 21**  
**Limit:** 20  
**Location:** Online  
**Fee:** $55.00  
**Registration Deadline:** Sept. 10

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### Protecting Your Retirement: Lessons from the Last Three Decades

The average length of retirement is 30 years or longer. In these last 30 years, retirees have faced the “Recession of 1990,” “the “Tech Boom and Bust” of 2000, the “9/11 Terrorist Attacks and Recession,” and “The Financial Crisis and Great Recession of 2007-2009.” The “Coronavirus Pandemic” and possibly greater recession continues to unfold. Some retirement plans have held up well and these retirees are stronger than ever. Others have seen their plans derailed or have had to severely curtail their “golden years” ambitions. How have retirement planning products and services evolved as the Baby Boomers continue to enter retirement? Are the current products, ETFs, index and variable annuities with guaranteed withdrawal benefits, structured products or REITs the solution or simply problems for the future? Strategies and tools like Monte Carlo simulations, portfolio risk assessment, zero-risk retirement models and robo advisors continue to develop. Will they be adequate as one of the world’s largest retirement cohorts threatens to exhaust all financial and social support systems? No matter where you are in your retirement journey, this course is designed to help you compare your strategies against the “state-of-the-art” alternatives and prepare for what is sure to be a new decade with even more challenges and opportunities.

**Instructor:** James M. 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-1-441-001  
**Four Sessions:** 9:00 - 10:30 a.m.  
**Sept. 17, 24, Oct. 1, 8**  
**Limit:** 100  
**Location:** Online  
**Fee:** $40.00  
**Registration Deadline:** Sept. 10

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**Eisenhower’s Rise to World Leadership, 1890-1945**

Early in World War II, Gen. Dwight Eisenhower was often dismissed as a pleasant staff officer with no combat experience. By May 1945, he had led the more than four million Allied force that vanquished Nazi Germany. The course follows Ike from boyhood in the home of his pacifist parents through the war’s end in Europe. Along the way we’ll meet Ike’s friend and instructor in mobile tank warfare, Col. George Patton, as well as Generals John J. Pershing, Fox Conner, and Douglas MacArthur, on whose staffs Ike served. With America’s entry into the war, President Roosevelt, Army Chief of Staff George Marshall, and Chief of Naval Operations Earnest King recognized Ike’s extraordinary abilities and assigned him increasingly important tasks, which led in 1942 to his appointment to command U.S. forces in Europe. In England, Ike
formed constructive relationships with most, but not all, British military and diplomatic leaders. With Churchill he developed a friendly, respectful but often intensely contentious relationship. The two leaders and their aides constantly struggled to resolve issues of strategy and tactics including the plans and timing of D-Day, where to cross the Rhine, and Ike’s controversial decision to let the Russians take Berlin. Despite Allied disputes and recriminations, and daily death and destruction in the blast furnace of history’s most terrible war, Eisenhower held the Anglo-American alliance together and led it to victory.

**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-1-415-002

**Six Sessions**: 1:15 - 2:45 p.m.
Sept. 17, 24, Oct. 1, 8, 15, 22

**Limit**: 100

**Location**: Online

**Fee**: $55.00

**Registration Deadline**: Sept. 10

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**Great Books Discussion:**  
**"Great Conversations 5"**  
(Thursdays)

Join us for great conversations about classic texts. We’ll be reading selections from *Great Conversations 5*, an anthology compiled by the Great Books Foundation and available for $24.95 at store.greatbooks.org. The course spans two terms to allow time for thoughtful reading between sessions. Our schedule:

- **Sept. 17**: John Keats, *Selected Poems*
- **Oct. 1**: Ryunosuke Akutagawa, *Hell Screen*
- **Oct. 15**: Eudora Welty, *A Still Moment*
- **Oct. 29**: George Santayana, *Masks*
- **Nov. 12**: Ruth Benedict, *Anthropology and the Abnormal*
- **Dec. 3**: Doris Lessing, *To Room Nineteen*

**Required**: *Great Conversations 5*; purchase for $24.95 at store.greatbooks.org. Enroll in this course only if you are willing to complete the readings, actively participate in class discussions, and use the camera on your computer or smart device during the online discussions.

**Note**: There are two offerings of this course; choose the one that best fits your schedule.

**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-1-448-001

**Six Session**: 1:15 - 2:45 p.m.
Sept. 17, Oct. 1, 15, 29, Nov. 12, Dec. 3

**Limit**: 15

**Location**: Online

**Fee**: $55.00

**Registration Deadline**: Sept. 10

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**"OLLI courses have helped me discover many new areas of interest through the diversity of course topic areas offered."**

**Religion and Music in America**

Religion is always a multimedia event, nowhere more so than in the United States, with its rich artistic traditions and vibrant cultural marketplace. This course will focus on the role of (mostly popular) music in America’s religions, and the way popular music has shaped how Americans think about and practice their religions.

**Instructor**: Jason C. Bivins; Professor of Religious Studies, NC State; BA Oberlin College, 1991; MA Indiana University, 1995; PhD Indiana University, 2000; author of *The Fracture of Good Order: Christian Antiliberalism and American Politics* (UNC, 2003); *Religion of Fear: The Politics of Horror in Conservative Evangelicalism* (Oxford, 2008);

**Spirits Rejoice! Jazz and American Religion** (Oxford, 2015); and *Embattled Majority: Religion and Its Despisers in America* (forthcoming); taught "Thinking About Religion and Violence" for The Great Courses; received the following awards at NC State: Outstanding Junior Faculty (2002), Alumni Outstanding Teacher (2005), and Distinguished Undergraduate Professor (2010).

**Course #**: LLI-1-436-001

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

**Limit**: 100

**Location**: Online

**Fee**: $40.00

**Registration Deadline**: Sept. 10

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**OLLI courses have helped me discover many new areas of interest through the diversity of course topic areas offered.”**

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**Friday**

**The Russians are Coming! Reassessing the Threat of Moscow’s Interference in the U.S. Elections**

The purpose of this class is to critically reevaluate the threat of electoral meddling emanating from Russia (and, potentially, other states). We are going to reflect on the following issues: the nature and extent of Moscow’s cyber efforts and related initiatives, the sources of Russia’s conduct, how the Kremlin views the purpose and legitimacy of such actions, and what is the actual impact of alleged interference? Is the integrity of U.S. elections compromised?

**Instructor**: Dr. Dmitri Mitin; current appointment is with the School of Public and International Affairs at NC State, previously taught at Purdue University and Free University of Berlin; specializes in post-communist development and Russian politics.

**Course #**: LLI-2-217-001

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

**Limit**: 100

**Location**: Online

**Fee**: $30.00

**Registration Deadline**: Sept. 10
Monday

What’s for Dinner, Yesterday and Tomorrow?
What is dinner? Even more basic, what is food? Attitudes and behaviors associated with eating have changed dramatically over the years, from the initial rise of the food industry as a result of the Industrial Revolution, and its post World War II expansion, followed by the all-natural/nothing artificial backlash, to today’s laboratory-produced meat and meat substitutes. This presentation will trace that history, examine the factors that have contributed to our acceptance or rejection of food products over time, and consider how, and what we eat might change in the future and why.

**Instructor:** Sarah Ash; AB, Biology, Harvard University; MS and PhD, Nutrition, Tufts University; professor emerita 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-3-428-001
**One Session:** 3:00 - 4:30 p.m.
**Sept. 14**
**Limit:** 100  
**Location:** Online
**Fee:** $15.00
**Registration Deadline:** Sept. 10

Jeff Gravley’s Perspective on a Love of Sports
Former WRAL sports anchor and reporter, Jeff Gravley, joined NC State in January 2020 in the newly created role of Director of Content Strategy for NC State Athletics. During his 34 years covering sports he has learned that a deep love of athletic pursuits and games can lead to many exhilarating moments, but as a reporter and now strategist there also needs to be some perspective. Join Jeff to learn what that means in practice, and how his work at NC State adds another dimension to his own perspective.

**Instructor:** Jeff Gravley; BA, Speech Communication, NC State; 34 years in local TV broadcasting, with 31 of those at WRAL in Raleigh; two-time NC Sportscaster of the year; recipient of seven regional Emmy Awards.

**Course #:** LLI-3-424-001
**One Session:** 3:00 - 4:30 p.m.  
**Oct. 5**
**Limit:** 100  
**Location:** Online
**Fee:** $15.00
**Registration Deadline:** Oct. 15

Is Chaos the New Normal in Electoral Politics?
The 2016 presidential election changed what many experts—academics and practitioners—think about campaigns. A candidate with no political experience who was outspent in political advertising defeated more experienced candidates for the Republican nomination and in the general election. This lecture will explore the fundamental dynamics of national and state politics heading into the last few months of the campaign season. At the end of the lecture, bold predictions will be made about the results of the 2020 elections.

**Instructor:** David McLennan; BA, MA, University of Virginia; PhD, University of Texas at Austin; Professor of Political Science, Meredith College.

**Course #:** LLI-3-392-002
**One Session:** 3:00 - 4:30 p.m.
**Sept. 21**
**Limit:** 150  
**Location:** Online
**Fee:** $15.00
**Registration Deadline:** Sept. 17

Cosmic Rays: The Highest Energy Particles in the Universe
Cosmic rays are high-energy particles (i.e., atomic nuclei) that constantly rain down on us from space. While many cosmic rays are produced by the Sun, much higher energy cosmic rays are produced throughout the Milky Way galaxy by supernova explosions. The source of the most energetic cosmic rays, however, is still unknown but must lie beyond the Milky Way. These extra-galactic cosmic rays are the highest energy particles ever measured and therefore have a unique position in astrophysics. The origin and acceleration of cosmic rays is an important unsolved problem in high-energy astrophysics. The history and future of cosmic ray science will be discussed in this lecture.

**Instructor:** Don Ellison; PhD, The Catholic University of America; Professor Emeritus, Physics, NC State; 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-3-414-001
**One Session:** 10:45 a.m. - 12:15 p.m.
**Oct. 19**
**Limit:** 100  
**Location:** Online
**Fee:** $15.00
**Registration Deadline:** Oct. 15

Tuesday

The Black Loyalists
The Black Loyalists were African descendants who sided with the British Crown during the American Revolutionary War. They fought against the Patriots, and in return, were promised a free life. Some were enslaved and some were freed people of color, but all longed to have freedom to live their lives as human beings. Some 3,000 Black Loyalists and their families were evacuated from New York to Nova Scotia, Canada. By 1787, many had resettled in Freetown, Africa and later in London, England. This lecture will journey with the Black Loyalists and learn about their ancestors who continue to reside in places of resettlement.

**Instructor:** Sharon Ware; RN, MA, MSN, EdD in Adult Education; has a fascination with unearthing African American history and culture; was an associate professor in the graduate program, Benedictine University; currently a retired associate professor of nursing and state child care health consultant.
Declining Populations: What Did Malthus Miss?

Given limited availability of land and natural resources, Thomas Malthus predicted that population would grow faster than food production. In many low-income countries, population continues to grow rapidly. However, in the U.S. and many high-income countries, population growth is so slow today that population would decline without immigration. It has already declined in Japan and some Eastern European countries. This session will consider problems related to a slowly growing and aging population. What are the effects on the labor force of more retirees and children? Do labor productivity and GDP grow more slowly? What are the effects of a rising national debt relative to the size of the economy? What will happen to the capacity to make payments on Social Security, Medicare, Medicaid, and private pensions? Immigration could play a key role in dealing with the problems. To put the U.S. problem in a broader context, notice that differences in population growth rates between rich and poor countries have induced large migration that now faces strong opposition in many rich countries.

Instructor: Thomas Grennes; Professor of Economics and Agricultural and Resource Economics, NC State; Professor of Economics, Stockholm School of Economics in Riga, Latvia; publications on international trade, migration, international investment.

Course #: LLI-3-423-001
One Session: 3:00 - 4:30 p.m. Sept. 15
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Sept. 10

Wednesday

Resource Generation -- Using Class Privilege to Effect Social Justice

Resource Generation is a multiracial membership community of 600+ young people (aged 18-35) with wealth and/or class privilege, who are committed to the equitable distribution of wealth, land, and power. This group believes that people ages 18-35 with access to wealth and class privilege are both well-equipped and at a particularly key stage in life to effect change and social justice. The U.S. is experiencing the most extreme wealth inequality in modern history. During this lecture you will meet the co-leaders of the Triangle chapter of Resource Generation and learn what they are doing locally to build a more just world.


Presenter: Ida Griesemer; Sarah Lawrence College (BA) 2009, UNC-Chapel Hill (MPH), 2017; Research Assistant at Columbia University Dept of Psychology (2012-2013) and Dartmouth College Psychiatric Research Center (2014-2015), Currently pursuing a PhD in Health Behavior at UNC-CH Gillings School of Global Public Health; Awarded a predoctoral fellowship from UNC’s Sheps Center for Health Services Research, Co-leader of the Triangle Chapter of Resource Generation, dog mom.

Course #: LLI-3-382-002
One Session: 1:15 - 2:45 p.m. Sept. 22
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Sept. 17

Thursday

The Spiritual Implications of Quantum Mechanics

The study of the very small can lead to suggestions about the very large. In particular, quantum mechanics experiments suggest the existence of universes other than ours. This lecture, designed for the non-expert, will explore experiments that raise physical and philosophical questions. It will consider how one’s understanding of some quantum experiments leads to a deeper view of one’s role as an observer in the universe, and how this knowledge requires one to allow for the possibility of other universes. It will become evident that quantum results can shake the foundation of one’s notions about how the universe works. No special training or expertise is required, but attendees must have an openness to contemplate puzzling quantum results that fly in the face of human intuition.

Instructor: Michael Paesler: BA, Physics and Mathematics, Beloit College; MS and PhD in physics, University of Chicago; guest scientist, Max-Planck-Institut für Festkörperforschung, Stuttgart, Germany; Professor and Department Head, Physics Department, NC State
Space Travel: Fact or Fantasy?

Human space travel has been a constant theme in science fiction for as long as science fiction has been written. Factually, Americans landed on the moon over 50 years ago and men and women from a number of nations have been in orbit around the Earth almost continuously since then. Now, however, there is ever increasing talk of manned missions to Mars, and even discussions of how humans could travel to planets around distant stars. This course will discuss the science (or lack thereof) behind travel to the stars and show that, not only is it beyond current capabilities, it is beyond any conceivable future capabilities. Even manned missions to Mars or Venus, while possible, cannot be considered a sensible use of human resources.

Instructor: Don Ellison; PhD, The Catholic University of America; Professor Emeritus, Physics, NC State; 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-3-415-001
One Session: 3:00 - 4:30 p.m.  
Oct. 22
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Oct. 15

SECOND TERM COURSES

Monday

Human Microbiome in Health and Disease

Research in the last decade has shown that humans harbor more microbial cells than human cells. This collection of microbes is known as the microbiome. While a small number of microbes are associated with diseases, vast majority of inhabiting the human body are not harmful but are beneficial in some cases and obligatory in others. For instance, the microbes in the human intestines produce many chemicals that are nutritionally beneficial. They also breakdown many common drugs, thus influencing the action of drugs. While the research on the microbiome is in early stages, suggestions are that the composition of microorganisms may have causative/adjunct roles in major diseases such as Crohn’s disease. Although many of the findings are preliminary, companies are marketing microbiome-based products for disease diagnosis and treatment often without clear validation of benefits—caveat emptor! We will explore cutting edge research and the finding in human microbiome research in some depth. The course material will be presented at a level appropriate for scientists in related fields as well as for non-scientists interested in learning about the area.

Instructor: Ram Ramabhadran; PhD, Molecular Biology, University of Texas at Dallas; over 35 years in biotechnology; worked in the pharmaceutical/biotech industry, universities, and in the federal government in projects covering a wide range of areas influenced by biotechnology; currently consults for biotechnology companies and global health nonprofits.

Course #: LLI-2-194-002
Three Sessions: 10:45 a.m. - 12:15 p.m.  
Oct. 26, Nov. 2, 9
Limit: 60 Location: Online
Fee: $40.00
Registration Deadline: Oct. 22

2020: A Stanley Kubrick Odyssey

“If it can be written or imagined, it can be filmed.” In a career spanning multiple decades and genres, Stanley Kubrick put his personal stamp on stories that were, in many critics’ opinions, unfilmable – and created a slew of cinematic classics in the process. This look through some of his films focuses on the uniquely “Kubrickian” elements he brought to adaptations and genres, with in-depth discussion of several of his major
and lesser-known works, along with looks into rare interviews and some of his unrealized projects. The films tentatively planned for discussion are: Paths of Glory (1957), Lolita (1962), Doctor Strangelove, or How I Learned to Stop Worrying and Love the Bomb (1964), 2001: A Space Odyssey (1968), and Barry Lyndon (1975).

Instructor: Zack Smith; graduate degrees in journalism and film studies; film critic for Independent Weekly and other publications; has written screenplay analyses for several Hollywood screenwriters; has read almost 1,000 screenplays, veteran OLLI instructor.

Course #: LLI-1-443-001
Six Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 26, Nov. 2, 9, 16, 30, Dec. 7
Limit: 30 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22

Our Next Giant Leap: Project Artemis and NASA's Plan to Return to the Moon by 2024

Learn how NASA plans to return to the Moon by 2024 through the use of all-new systems, partners, and capabilities. NASA will leverage its unique experience and key strategic commercial partners to pick up where we left off in 1972, developing and deploying lunar-orbiting space stations, a new capsule and heavy launch vehicle, and cutting-edge lunar landers and roving vehicles to further the exploration of our closest neighbor, the Moon. Starting with short stays and progressing to 90-day stays, Project Artemis begins the colonization of the Moon and helps to perfect the techniques that will enable humanity to explore Mars in the 2030s.

Instructor: Marc Fusco; NASA

Ambassador and space historian; Marc has graduate degrees in Medieval and Renaissance Literature and History, and an MS in Space Studies, with a specialty in space policy and history; he has taught at Arizona State, Duke, and UNC; Marc has also worked as a commercial space analyst; he has written a book, Presidents, Politics, and Policy: How the Apollo and Shuttle Decisions Shaped NASA.

Course #: LLI-2-212-001
Two Sessions: 10:45 a.m. - 12:15 p.m.
Nov. 30, Dec. 7
Limit: 100 Location: Online
Fee: $30.00
Registration Deadline: Nov. 26

Tuesday

Cultivating Everyday Mindfulness

Mindfulness is the moment-by-moment awareness of our thoughts, feelings, and surroundings with our hearts full of kindness, acceptance, and non-judgement. This practice can give us an alert, calm, and gentle way of being with ourselves and others throughout each day. Instead of dwelling on the past or worrying about the future, we can learn to be present in the moment and reduce the stress we experience. We build this capability through practice of meditation and yoga. In each class we will study the work of Jon Kabat-Zinn and others, and we will practice meditation, standing and sitting yoga, and loving-kindness to develop and enhance our mindful state. Participants will be expected to practice meditation and yoga in between class sessions and discuss their experiences during each class.

Note: This course requires active participation; it is expected that you will contribute to the discussions and practice outside of the class sessions. No special equipment is needed.

Instructor: Susan Lewellen; BS Nursing UNC Charlotte; MBA University of South Carolina; enjoyed a career in hospital nursing, administration, and consulting; studies and practices Mindfulness Based Stress Reduction and believes that this work has improved the quality of her life.

Course #: LLI-1-376-002
Six Sessions: 9:00 - 10:30 a.m.
Oct. 27, Nov. 3, 10, 17, Dec. 1, 8
Limit: 16 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22

The Other Vietnam War: The U.S. Marines and Counterinsurgency

This course will be taught from the point of view of Vietnam veteran John Booth. As a Marine Lieutenant in Vietnam he fought in two wars: first, was a counterinsurgency against Viet Cong guerrillas where American soldiers fought for the allegiance of the South Vietnamese with a strategy of winning their hearts and minds and teaching them how to fight; and second, a conventional war against the North Vietnamese army based on a strategy of firepower and attrition. This course, interspersed with the instructor’s personal experiences, will examine both strategies, but will focus more on the counterinsurgency strategy and tactics. We will close with: What happened?

Instructor: John Booth; BS, Civil Engineering, NC State; MBA Darden Business School, Univ. of Virginia; Licensed Professional Engineer; Retired business executive, Procter

The Internet - Behind the Cyber Curtain

Let’s take a look at the nuts and bolts of the internet. Tracing of the origins, development, and current state is presented. Explore issues in privacy and security as well as methods to help keep you safe online. How is the Internet different from the World Wide Web? Did Al Gore really invent it? How do we use it today and what are the trends for the future? What about social computing?

Instructor: Bill Pace; BS in Industrial Engineering, NC State University; MBA from 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; he resides in Durham with his spouse and enjoys his grandpa time.

Course #: LLI-1-438-001
Six Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 27, Nov. 3, 10, 17, Dec. 1, 8
Limit: 100 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22
& Gamble and Baxter International; Retired Colonel, U.S. Marine Corps; thirty-three years active and reserve service; Vietnam veteran; called to active duty for first Persian Gulf War; OLLI member.

**Course #:** LLI-2-207-001  
**Three Sessions:** 10:45 a.m. - 12:15 p.m.  
Oct. 27, Nov. 3, 10  
**Limit:** 100  
**Location:** Online  
**Fee:** $40.00  
**Registration Deadline:** Oct. 22

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**Mother Jones and Frances Perkins: Lessons in Courage**

This course focuses on the contributions of two women who sought, during the 1900s, to change the social contract between business and society. The story begins in the year 1903. Mary Harris Jones (“Mother Jones”) leads a 125-mile march to advocate for eradication of the evils of child labor. Her intent is to bring this problem to the attention of the U.S. President and the national press. Fast forward 30 years. The story continues with Frances Perkins as Secretary of Labor by President Franklin D. Roosevelt. As the first female member of a U.S. presidential cabinet, she works to create better workplace conditions and social safety nets for U.S. citizens. One woman focuses on actions outside of government to influence workplace conditions and the other by working through government to influence change through policy and law.  

**Instructor:** Josetta McLaughlin; PhD, Virginia Tech; taught at Virginia Tech, Radford University, and Roosevelt University (Emerita); courses taught in business management include corporate social responsibility, strategic management, and labor history in which she brought information to a diverse array of students about issues around workplace and societal equity; additional teaching and research interests included company towns, corporate sustainability, corruption in the workplace, climate change.  

**Course #:** LLI-2-214-001  
**Two Sessions:** 10:45 a.m. - 12:15 p.m.  
Dec. 1, 8  
**Limit:** 100  
**Location:** Online  
**Fee:** $30.00  
**Registration Deadline:** Nov. 26

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**Genealogy: Starting with the Basics**

Are you eager to learn about your ancestors? Who were they? When and where did they live, and how did they fare? This course will teach you how to research your family history in the U.S. We will discuss what records are available and where to find them, which websites and software programs are best, and how DNA can help. We will start with the most common records: U.S. census, vital (birth, marriage, death), and obituaries. Find out how to record and analyze the information you find. Build the skills and knowledge to continue researching and writing on your own.  

**Instructor:** Barbara McGeachy; MS Computer Science, UNC-Chapel Hill; retired software engineer; 20+ years researching and writing her family history; NCGS 2014 Award for “Excellence in Publishing – Family History;” Recording Secretary for Wake County Genealogical Society; leader of two OLLI SIGs on family history.  

**Course #:** LLI-1-083-005  
**Six Sessions:** 9:00 - 10:30 a.m.  
Oct. 28, Nov. 4, 11, 18, Dec. 2, 9  
**Limit:** 100  
**Location:** Online  
**Fee:** $55.00  
**Registration Deadline:** Oct. 22

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**Robert E. Lee's Civil War**

Robert E. Lee is one of the most well-known of all Civil War personalities, and also one of the most written about. Douglas S. Freeman’s four-volume *R.E. Lee*, published in the 1930s, received the Pulitzer Prize and he followed it up with the three-volume *Lee’s Lieutenants* about the Army of Northern Virginia. Because of those two landmark works and his other work on Lee, it can rightfully be said that Freeman was THE expert on Lee and his biography is considered...
by many to be the best biography of him decades later. But for all that has been written about him, no one -- even Freeman -- has captured what the four years of the American Civil War were really like for Lee -- as a leader, as a husband, or as a father. This class will take an in-depth look at Lee during the period 1861-1865.

Instructor: Charles Knight; has worked in the museum field for more than 20 years, and is currently Curator of Military History at the NC Museum of History; his main field of study is the American Civil War; has written numerous journal articles and his first book, Valley Thunder: The Battle of New Market, was published in 2010; currently working on a biography of Confederate general William Mahone while his second book, From Arlington to Appomattox: Robert E. Lee’s Civil War Day by Day, will be published in 2020.

Course #: LLI-2-211-001
Three Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 28, Nov. 4, 11
Limit: 24 Location: Online
Fee: $40.00
Registration Deadline: Oct. 22

Music of Africa: Six Case Studies

This course will focus on musical traditions from six regions of Africa: North Africa (Egypt and Morocco), Ethiopia, Kenya and Uganda, Southern Africa (Zimbabwe, South Africa, and Madagascar), West Africa (Congo, Nigeria and Ghana), and North West Africa (Senegal, Guinea, Gambia, and Mali). We will search for commonalities in African musical practices, attitudes, and contexts; as well as unique regional forms of expression.


Instructor: Dr. Jonathan Kramer; Teaching Professor of Music and Arts Studies, NC State (retired); Former Adjunct Professor of Ethnomusicology, Duke University; concert cellist and former member of the NC Symphony; author with Alison Arnold of World Music textbook What in the World Is Music?, published by Routledge/Taylor and Francis (2016).

Course #: LLI-1-452-001
Six Sessions: 1:15 - 2:45 p.m.
Oct. 28, Nov. 4, 11, 18, Dec. 2, 9
Limit: 50 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22

Investment Strategy vs. Reaction -- Keeping Your Cool

Time in the market is generally more effective than trying to time the market. As John Bogle, the famed investor and mutual fund pioneer said, “stay the course.” Regardless of what happens to the markets, stick to your investment program. Changing your strategy at the wrong time can be a devastating mistake for an investor. This does not mean you should never buy or sell investments. However, the investments you buy and sell should be based on a sound strategy appropriate for your risk tolerance, financial goals, and time frame. A sound strategy should carry you through market ups and downs. A sound asset allocation plan that includes long term care protection and various investments might be beneficial. Times have changed. Learn how we can start looking into the decade ahead.

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-1-453-001
Six Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 28, Nov. 4, 11, 18, Dec. 2, 9
Limit: 80 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22

“Food Will Win the War!”

“Food will win the war!” said Herbert Hoover, who was in charge of the U.S. Food Administration created during World War I. Voluntary rationing during his tenure, followed by mandatory rationing during World War II reflected not only America’s love for meat, sugar, and white flour, but also the scientific understanding of nutritional needs of the time. However, each war also influenced attitudes towards food, especially among immigrant populations, and in the case of World War II, impacted nutrition science, by leading to the creation of the Recommended Dietary Allowances. And both wars created significant opportunities for women to teach and

Instructor: Lucinda MacKethan; NC State Professor Emerita of English specializing in Southern and African-American literature; author/editor of six books including The Companion to Southern Literature; winner of the Holladay Medal; was a fellow at the National Humanities Center, where she continues to provide instructional materials for Teacher Enrichment Programs; speaker of the NC Humanities Council Road Scholar Program. Her biography, Anya Seton: A Writing Life, will be published in August of 2020.

Course #: LLI-2-213-001
Three Sessions: 3:00 - 4:30 p.m.
Oct. 28, Nov. 4, 11
Limit: 50 Location: Online
Fee: $40.00
Registration Deadline: Oct. 22

Women Writing American History in Fiction

American women writers Willa Cather, Margaret Mitchell, and Anya Seton wrote powerful and popular historical novels in the first half of the twentieth century. It was the era in which male writers, such as Fitzgerald, Hemingway, and Faulkner began to dominate the American literary canon favored by critics and academics. Still, Cather’s Death of The Archbishop, Mitchell’s Gone With The Wind, and Anya Seton’s The Winthrop Woman were award winning works that captured the popular imagination and the marketplace, also illustrating very different ways to present the American past. We will explore the American past that they created and examine their writing lives during a climate increasingly hostile to their genre and their gender.

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-2-211-001
Three Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 28, Nov. 4, 11
Limit: 24 Location: Online
Fee: $40.00
Registration Deadline: Oct. 22


Instructor: Dr. Jonathan Kramer; Teaching Professor of Music and Arts Studies, NC State (retired); Former Adjunct Professor of Ethnomusicology, Duke University; concert cellist and former member of the NC Symphony; author with Alison Arnold of World Music textbook What in the World Is Music?, published by Routledge/Taylor and Francis (2016).

Course #: LLI-1-452-001
Six Sessions: 1:15 - 2:45 p.m.
Oct. 28, Nov. 4, 11, 18, Dec. 2, 9
Limit: 50 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22

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Three Sessions: 10:45 a.m. - 12:15 p.m.
Oct. 28, Nov. 4, 11
Limit: 24 Location: Online
Fee: $40.00
Registration Deadline: Oct. 22


Instructor: Dr. Jonathan Kramer; Teaching Professor of Music and Arts Studies, NC State (retired); Former Adjunct Professor of Ethnomusicology, Duke University; concert cellist and former member of the NC Symphony; author with Alison Arnold of World Music textbook What in the World Is Music?, published by Routledge/Taylor and Francis (2016).

Course #: LLI-1-452-001
Six Sessions: 1:15 - 2:45 p.m.
Oct. 28, Nov. 4, 11, 18, Dec. 2, 9
Limit: 60 Location: Online
Fee: $55.00
Registration Deadline: Oct. 22

“Food Will Win the War!”

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be taught the “right” way to feed a family, creating a (not always healthy) ethos around food that persists to this day. These two lectures will examine the intimate relationships among war, nutrition, women, and the American diet during the first half of the 20th century.

**Instructor:** Sarah Ash; AB, Biology, Harvard University; MS and PhD, Nutrition, Tufts University; professor emerita 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 for Excellence in Teaching, the NC System Board of Governors Award for Excellence in Teaching, and the USDA Food and Agriculture Sciences Excellence in Teaching Award, among others.

**Course #:** LLI-2-215-001
**Two Sessions:** 3:00 - 4:30 p.m. Dec. 2, 9
**Limit:** 100 **Location:** Online
**Fee:** $30.00
**Registration Deadline:** Nov. 26

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**Thursday**

**Captains of Industry: Robber Barons in America’s Gilded Age**

This course will delve into the lives and impact of ten of America’s wealthy industrialists who amassed immense fortunes and rose to social prominence during the Gilded Age. Throughout the course, the lens through which these men are viewed will be America’s financial and industrial evolution during the late 19th and early 20th century. We will focus on Andrew Carnegie (steel); Daniel Drew (finance); Charles Schwab (steel); and Cornelius Vanderbilt (shipping, transportation)

**Instructor:** Carol Rahmani; PhD, Psychology, NC State University; retired school system administrator and school psychologist, OLLI member and veteran instructor.

**Course #:** LLI-1-384-002
**Six Sessions:** 1:15 - 2:45 p.m. Oct. 29, Nov. 5, 12, 19, Dec. 3, 10
**Limit:** 100 **Location:** Online
**Fee:** $55.00
**Registration Deadline:** Oct. 22

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**SECOND TERM LECTURES**

**Monday**

**Privacy Online: Who’s Watching Me?**

Privacy is something we all think about at one time or another. Companies know so much about us, it sometimes feels creepy. Hackers are hiding in gas pumps, ATM machines, and our video get-togethers. Our increasing reliance on the online world means we need to be more vigilant than ever. We will closely examine some of the online places where our privacy is at risk, what to look for, and how we can protect ourselves.

**Instructor:** Dr. Julie Earp; associate professor of Information Technology, Poole College of Management, NC State; teaching and research focuses on information security and privacy from several perspectives, including consumer values, end users, and policy.

**Course #:** LLI-3-421-001
**One Session:** 10:45 a.m. - 12:15 p.m. Nov. 16
**Limit:** 100 **Location:** Online

**Fee:** $15.00
**Registration Deadline:** Nov. 12

**Surviving the Holocaust: A Son Tells His Parents’ Stories**

This presentation will be given by the son of two Holocaust survivors. His mother was born in Kreva, Belarus. As a young teenager, she endured the horrors of the Kovno ghetto and the Stutthof concentration camp. After her recovery, she emigrated to Israel in 1950. His father was born in Krakow,
Poland. As a teenager, he escaped the Nazis, fled into Russia and survived the rest of the war in hiding. Following the war, he learned his family had been murdered, and in 1948, he emigrated to Israel. There, he joined the Israeli army to defend the new state. His parents met and married in Israel in 1951.

Instructor: Chaim J. (“C.J.”) Poran; BS, Civil Engineering, Israel Institute of Technology; MS, Engineering, Univ. of California at Davis; PhD, Engineering, Univ. of California at Davis; Facility Engineering Management Diploma, NC State Univ.; licensed professional engineer (PE); over 30 years experience as a university faculty member in Civil and Environmental Engineering, and a senior infrastructure consultant; experience includes many important transport, energy, water/sanitation, facilities, and irrigation projects, domestically and overseas; retired in 2016 from Millennium Challenge Corporation (MCC) where he was serving as Director of Infrastructure with Top Secret Federal Security Clearance.

Course #: LLI-3-420-001
One Session: 3:00 - 4:30 p.m.
Oct. 26
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Oct. 22

Talkin’ Tar Heel: History, Voices, Culture, Legacy

North Carolina is dialect heaven! Linguists at NC State claim there is more dialect diversity in North Carolina than any other state. How is it that North Carolina ended up so dialectically diverse and what does it all mean? The voices of the states’ residents reveal much about both the state’s history and its recent transformations. This talk explores the linguistic legacy of North Carolina through audio and visual vignettes of residents of the state. Topics covered include the unique place names of North Carolina locales, local phrases such as “bless your heart,” dialects from Murphy to Manteo, the effect of Northern immigrants on Southern speech, and other languages including Spanish and Cherokee.

Instructor: Jeffrey Reaser; BA, English, NC State University; MA, English, NC State, PhD, English-Linguistics, Duke University; currently Professor of English at NC State; coordinates the secondary English education program, the undergraduate Linguistics programs, and serves as associate director of the Language and Life Project; has published more than 20 scholarly articles and four books, including, Talkin’ Tar Heel: How Our Voices Tell the Story of North Carolina (2014), which won the 2014 book award from the North Caroliniana Society.

Course #: LLI-3-426-001
One Session: 3:00 - 4:30 p.m.
Nov. 2
Limit: 150 Location: Online
Fee: $15.00
Registration Deadline: Oct. 29

“Where work gave purpose to each day, OLLI has taken the place of where I spent a good portion of my days. What I learn in the classroom I take and use on a daily basis, even if it is to sit and daydream about what we covered in class.”

Heroes & Leaders: The Story of North Carolina’s Buffalo Soldiers

This lecture will be based on the story of the Buffalo Soldier regiments that were created during Reconstruction. The story of veterans from North Carolina will be discussed. The story of the NC Colored State Guard and the NC Volunteer Infantry Regiment that was created during the Spanish American War will be included as well. The presentation will also include images of the subjects discussed and their regiments.

Instructor: Howard Burchette; graduate of St. Augustine College in Raleigh; IBM retiree; former board member of the NC SHRAB (North Carolina State Historical Records Advisory Board); volunteer radio show host at 90.7 WNCU FM; Howard has researched the subject of the Buffalo Soldiers and their presence in North Carolina for over 26 years; his manuscript Heroes and Leaders, The Proud History of NC Buffalo Soldiers is in the early stages of being published into a book.

Course #: LLI-3-422-001
One Session: 3:00 - 4:30 p.m.
Nov. 30
Limit: 60 Location: Online
Fee: $15.00
Registration Deadline: Nov. 26

Marian Music: Music of the Virgin Mary

Mary has been the subject of much human creativity throughout Christianity. Composers and artists have been inspired to capture the essence of her life through their art, although little about her is revealed in the scriptures. Mary has been seen in many symbolic representations, from God Bearer in the early centuries to a present-day seeker of truth, reflecting changes in the human situation. We will examine diverse examples from the huge body of music written in her honor, from medieval chants to contemporary songs, which reflect a universal devotion to this timeless feminine icon.

Instructor: Marilyn Lynch; retired Teaching Associate Professor, Music Department, NC State; recipient of the University Outstanding Extension Award; educator and performer in area colleges and churches; Bachelor of Music in Education, Syracuse University; Master of Arts in Theory, Eastman School of Music, University of Rochester; veteran OLLI instructor.

Course #: LLI-3-145-002
One Session: 3:00 - 4:30 p.m.
Dec. 7
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Dec. 3
Tuesday

The History and Science of Vaccines

This talk will provide a brief review of the history leading to the use of vaccines, a brief summary of how vaccines work biologically and their proven benefits, and a review of what was behind the “autism scare” that developed in the late 1990s, including how that issue was addressed by science and clinical studies. If a vaccine against SARS-COV-2 is on the horizon at the time of this lecture, it will also be discussed.

Instructor: Dr. Eric Harris; PhD in 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-3-429-001
One Session: 1:15 - 2:45 p.m.
Dec. 9
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Nov. 12

North Carolina’s Economy: Past and Future

Few states have experienced as dynamic an economy as North Carolina. Like most, the state was dominated by agriculture in its early decades. However, North Carolina was one of the first modern manufacturing states as early as the late 19th century. The state is now living through its latest transformation which began in the late 20th century, and another economic overhaul is on the horizon. This presentation will guide participants through North Carolina’s fascinating economic story, seeking to draw lessons about how economic change shapes our lives, both for good and bad.

Instructor: Michael Walden; PhD, Cornell; at NC State since 1978 as a Reynolds Distinguished Professor; awards include Order of the Long Leaf Pine, UNC Board of Governor’s Award for Excellence in Public Service, and Holladay Medal for Excellence from NC State University; two Tucker awards for Excellence in Broadcasting; frequent media presence with a daily radio program, biweekly column, monthly magazine article, and monthly leading economic index for the state; Author of 13 books, two published in 2020, Real Solutions: Commonsense Ideas for Solving Our Most Pressing Problems, and Disunion: A Political Thriller.

Course #: LLI-3-416-001
One Session: 3:00 - 4:30 p.m.
Nov. 18
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Nov. 12

Thursday

Seeing the Ground Through the Trees: Using Remote Sensing Technologies for Natural Disaster Research

In heavily forested environments, the virtual, or digital removal of vegetation though Lidar remote sensing technology and the generation of bare-earth digital elevation models has resulted in terrain visualization advancements in the fields of geology, environmental studies, and archaeology, to name a few. In this class, Dr. Wegmann will present examples from around the world where Lidar has been instrumental in improving our understanding past geologic events and predicting future hazards. Examples will focus upon landslide, debris flow, and earthquake hazards, as well as discoveries in archaeology. For example, the 2014 Oso debris avalanche in Washington State killed 43 people. Lidar-based digital elevation models reveal that pre-historic land forms with characteristics similar to the deadly 2014 event exist along many other populated valleys of western Washington, suggesting that events like this may be more common than previously thought.

Instructor: Karl Wegmann; BA, Geology, Whitman College; MS, Earth and Planetary Sciences, Univ. of New Mexico; PhD, Earth and Environmental Science, Lehigh Univ.; Assoc. Professor of Geology, Dept. of Marine, Earth, and Atmospheric Sciences, NC State; over 65 research publications, including peer-reviewed journal articles, geologic maps, and landslide hazard assessments; co-creator of HazMapper.org platform for global, open-source and publicly available natural hazard detection via cloud computing.

Course #: LLI-3-419-001
One Session: 3:00 - 4:30 p.m.
Dec. 10
Limit: 60 Location: Online
Fee: $15.00
Registration Deadline: Dec. 3

Friday

Paris Noir

The 1920s was a time of turbulence in the United States. For many African Americans, their daily lives were under siege. Many sought refuge in France. Post World War I taught African Americans that Paris accepted them without any thought to their skin color. “Paris Noir” will be a discussion about the many jazz musicians, writers, artists, and intellectuals who sought a safe haven in the City of Light, if only for a short while. This was an opportunity for them to fully express their talents and live, according to James Baldwin as a “human being”. Figures such as Josephine Baker, Bricktop, Sidney Bechet, Kenny Clarke, Richard Wright, James Baldwin, and Chester Himes will be discussed. This lecture was inspired by multiple trips to Paris to discover the noir (Black) side of the city.

Instructor: Sharon Ware; RN, MA, MSN, EdD in Adult Education; has a fascination with unearthing African American history and culture; was an associate professor in the graduate program, Benedictine University; currently a retired
What Is Jewish Comedy?
Humor traditionally plays a large role in Jewish culture, but are the common themes unique? This lecture will look at several different styles of comedy, including videos from Jewish and non-Jewish comedians. At the end, we will determine if there is such a thing as Jewish comedy.

Instructor: Stan Darer; BA, Economics, Lehman College, City University of New York; 38-year career in finance in the electrical supply industry; volunteers for several organizations in Raleigh, including Lead Mine Elementary School, Red Cross, Temple Beth Or, and Bedford Over 55 Club; has served on OLLI Membership Development and Marketing Committee and Program Committee;

Viewing and Discussion of “Sitting at God’s Table”
This presentation will begin with a screening of Ellen L. Shepard’s documentary Sitting at God’s Table. What happens when a rabbi, a priest, a Baptist minister, an Episcopal bishop, and a Muslim leader are invited to a seven-hour dinner? Five religious leaders try to make sense of why we do what we do in the name of God. Filmed in Raleigh, this film features Presiding Bishop, Michael Curry of the Episcopal Church; Rabbi Lucy Dinner, senior rabbi at Temple Beth Or; Reverend David Hailey, Hayes Barton Baptist Church; Father Mark Reamer, former priest for The Catholic Community of St. Francis of Assissi; and Shakil Ahmed of The Islamic Association of Cary. Following the film, which will run for 75 minutes, there will be an opportunity for Q&A with the filmmaker.

Instructor: Ellen Shepard; former Assistant Professor of Film Production at Saint Augustine’s University, Raleigh, where she developed the BA in Film Production and taught advanced classes in film production, screenwriting, and documentaries; currently an independent producer and director of documentaries; her feature length documentary Sitting at God’s Table has had numerous screenings, including at the NC Museum of History as part of their Billy Graham Exhibit and was an official selection at the Indigo Moon Film Festival; previously Senior Producer/Director of Documentaries and Educational Media at UCLA.

Course #: LLI-3-427-001
One Session: 10:45 a.m. - 12:15 p.m.
Date: Dec. 11
Limit: 100 Location: Online
Fee: $15.00
Registration Deadline: Dec. 3

**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.

**Historic Oberlin Village Walking Tour**
Take a walking tour of what was Oberlin Village, where the material culture of artisans and professionals who thrived for many years can be experienced. Learn about the heroes of the Reconstruction era and beyond, while visiting several historical landmarks dating back to 1865. Discover the hidden “pearls” of our African American past and their contributions that are an important part of Raleigh’s history. Starting at the Historic Oberlin Cemetery located at 1014 Oberlin Road we will walk leisurely to seven historic sites. Friends of Oberlin Village, a non-profit whose mission is to “Preserve, Honor & Educate” will lead the tour.

Note: Participants must be able to walk for approximately 1.5 hours over 5 blocks. Wear long sleeves, pants and comfortable, closed-toe walking shoes. Bring a water bottle to keep you hydrated during the walk. In accordance with NC State University directives, all participants will be required to wear masks/face coverings during the OLLI study trips.

Course #: LLI-4-080-002
One Session: 9:30 - 11:00 a.m.
Date: Sept. 15
Limit: 15
Fee: $35.00
Includes: Guided walking tour. Participants will drive themselves to the venue. Directions and parking instructions will be provided in advance of the study trip.

Meeting Time: 9:30 am
Finish: Approximately 11:00 am
Registration Deadline: Sept. 8
Visit Brie Arthur’s Edible Landscapes Garden
Join us on this visit to the home of local foodscapeing enthusiast, Brie Arthur, as her special guests. See for yourself how she has transformed a 1,250 square feet suburban foundation landscape into a wonderland of traditional ornamental plantings cleverly combined with favorite edibles like kale, tomatoes, eggplants, lettuce and carrots. You will understand why Brie will never buy another head of lettuce and learn the optimal time to plant your own seeds. You will even be able to come away with some seeds to get you started! Note: Wear comfortable, closed-toe walking shoes and dress for the weather on the day. The trip will proceed rain or shine. In accordance with NC State University directives, all participants will be required to wear masks/face coverings during the OLLI study trips.

Course #: LLI-4-133-001  
One Session: 9:45 a.m. - 12:00 p.m.  
Date: Sept. 30  
Limit: 20  
Fee: $35.00  
Includes: Garden walk with Brie Arthur. Participants will drive themselves to the venue in Fuquay Varina. Directions and parking instructions will be provided in advance of the study trip.

Meeting Time: 9:45 am  
Finish: Approximately 12:00 pm  
Registration Deadline: Sept.23

Dorothea Dix Park Walking Tour
Dorothea Dix Park has been called one of the most exciting public park projects in America today. This 308-acre site is in the process of being transformed into a central gathering space for Raleigh and the region at large. The three-mile walking tour will cover parts of the long complex history of the site, from pre-plantation to plantation to mental health hospital. It will also showcase the vision outlined in the park’s new master plan, designed by Michael Van Valkenburg Associates. Come see the beautiful site and become a part of making Dorothea Dix a park for everyone, built by everyone. The tour will last approximately 90 minutes and will proceed at a leisurely pace with frequent stops to learn about the rich history of the property.

Note: Wear comfortable walking shoes and dress for the weather on the day. Take a beverage to keep you hydrated. Participants will provide their own transport to the park and meet at a pre-arranged location. Details will be provided. The trip will proceed rain or shine. In accordance with NC State University directives, all participants will be required to wear masks/face coverings during the OLLI study trips.

Course #: LLI-4-106-002  
One Session: 9:45 a.m. - 12:15 p.m.  
Date: Oct. 9  
Limit: 15  
Fee: $35.00  
Includes: Guided walking tour of park (participants will provide their own transport to the park).

Meeting Time: 9:45 am  
Finish: Approximately 12:15 pm  
Registration Deadline: Oct. 2

Holy Name of Jesus Cathedral, Raleigh
If you’ve driven towards downtown Raleigh along Western Boulevard recently you cannot fail to have noticed the giant copper dome of the Holy Name of Jesus cathedral, the fifth largest cathedral in the United States and the seat of the Catholic Diocese of Raleigh. The dome is 65 feet tall and the cap weighs 160 tons! Join OLLI for a docent led tour of the magnificent building. Highlights include ninety stained glass windows, forty of which were removed from a church in the Archdiocese of Philadelphia and are almost 100 years old. The Stations of the Cross, multi colored and painted on a gold field, once belonged to the Saint Francis of Assisi Church, also in Philadelphia; it was constructed in 1924 and closed in 2012. The handmade pipe organ was built was for the Diocese of Raleigh by a Massachusetts firm and at 50 feet tall it is one of the largest they have ever constructed.

Note: Wear comfortable shoes as you will be walking for most of the tour although there will be opportunities to sit at intervals or to rest. The tour will take approximately 90 minutes. In accordance with NC State University directives, all participants will be required to wear masks/face coverings during the OLLI study trips. Participants will drive themselves to the cathedral, which is close to the McKimmon Center.

Course #: LLI-4-124-002  
One Session: 9:45 a.m. - 12:00 p.m.  
Date: Dec. 9  
Limit: 20  
Fee: $35.00  
Includes: Docent led tour of cathedral.

Meeting Time: We will meet outside the main entrance doors to the cathedral at 9:45 am. Directions and parking instructions will be provided in advance of the study trip.

Finish: Approximately 12 pm  
Registration Deadline: Dec. 2

OLLI Seasonal Celebration
Join OLLI members, instructors, and staff in the McKimmon Center (we hope!) 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 we ask that you RSVP to facilitate planning. This will be a no-refreshments event this year, but we hope to be back to our normal mingling in 2021. If we are unable to hold this event at McKimmon, we will hold a virtual event on Zoom to ensure we keep this popular tradition! If you are interested in performing (in person or virtually) at this event, contact Assistant Director Joan-Hardman Cobb to pitch your talent!

Course #: LLI-4-006 - 007  
Date: Dec. 11  
Location: TBA  
Fee: $0, for OLLI members  
Meeting Time: 3:00-4:30  
Registration Deadline: Dec. 7. 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.

**Benefactor ($2,500 and above)**
- Russ Brownell
- Bob & Jo Greene (bequest)
- One Anonymous donation
- NC State Foundation Board (2019 NC State Day of Giving)

**Partner ($1,000 - $2,499)**
- Joe and Carol Gosselin
- Jay Riley (in honor of Joan Hardman-Cobb)

**Sponsor ($500 - $999)**
- Tim Hoyt
- Bobby & Claudia Kadis
- Jim Mettrey
- Margaret Paschal
- Kurt & Katie Robinson
- Marilyn VanderLugt (in memory of Wanda Stein)
- Alice Warren
- Chancellor’s Challenge Fund (2019 NC State Day of Giving)

**Patron ($250 - $499)**
- Don & Jo Adams
- Tom & Sue Banks (in memory of Bob & Jo Greene)
- John & Rosie Booth (in honor of all OLLI instructors)
- Paul & Barbara Buescher
- Buzz & Kathy Clift
- Jay & Margaret Confolane
- Donna Crocetti
- Sean & Maryann Dail
- Julia Danias & Bob Trullinger
- Ronny De Jong (in memory of Jeanette Herman-Louwerse)
- Mike & Pat Flynn
- Tom Hutchinson
- Harvey & Hilda Joyner
- Chris Kiraly-Thomas (in memory of Mary R. Johnson)
- Henry Liles
- Levon & Mary Martin
- Jim & Marie Parina
- Dave Ritter & Julia Wood
- John Rybovich
- Thomas & Linda Shell
- Randy & Ann Sides
- Linda Silber
- Harry Titus
- Thomas Toms
- Richard Tuttle & Susan Newell

**Donor ($100 - $249)**
- Robert and Marla Baker (in memory of Dan Searcy)

**Contributors to OLLI**
**July 1, 2019 - June 30, 2020**

<table>
<thead>
<tr>
<th>Category</th>
<th>Contributors</th>
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<td>Allyn Kosenko</td>
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**Friend (Up to $99)**
- Jerry & Jo Ann Agliata
- Alex & Betsy Allen
- Terri Arledge
- George Auman
- Ron Aycock
- Jane Bartlett (in memory of Dan Searcy)
- Debbie Baumeister
- John Bayne
- Patricia Beardsley
- Edna Beeman
- Don & Karen Berg (in honor of Arthur Clark)
- Debbie Beroth
- Michael Bittner
- Marjorie Blum
- Pat Boyd
- Robin Brooks
- Rosemarie Buscemi (in memory of Frank Tricas)
- Karen Byrd
- Albert Cadogan
- Jan Cardenas
- Tina Certo
- Grace Ann Chirco
- Ran Coble
- Gerry Coble
- Jan Cowperthwaite
- Jeanne Cox
- Jo Daniel
- Mike Davis
- Elizabeth Day
- Kathy Deming
OLLI Voices
Our Member Blog

Visit the OLLI Voices page on the OLLI website for interesting stories and articles written by members, instructors, and staff. You will find it under the About drop-down menu at the top. Would you like to contribute? Contact Joan Hardman-Cobb, OLLI Assistant Director, for more information: jcobb@ncsu.edu

New to Zoom?

We have a variety of resources on our website to help you get started with Zoom, including Zoom tips for smart devices and FAQs. Look for the “Zoom Tips” option under the “Programs” drop-down menu.
Registration Procedures

OLLI membership is required for participation in courses, trips, and events. Membership fee for August 1, 2020 - July 31, 2021 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 (Days / times limited because of COVID-19. Check website for schedule.)
• by mailing the registration form and a check to the address shown on the registration page.

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.

OLLI Member Benefits/Wolfpack One ID Card

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

• Member benefits requiring the Wolfpack One card:
  • Use of NC State Libraries.
  • 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. (Schedule is dependent on COVID-19.)

• 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 OLLI member:
  • Discounts on tickets for cultural events at Stewart and Thompson Theaters (if possible due to COVID-19).
  • 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 Wolfl ine bus system is free.

• You may obtain your card at the Wolfpack One Card office after you have purchased your membership. Allow one week for the OLLI office to send membership updates to the Wolfpack One office before you go. The office is located in the Talley Student Union, which is between Cates and Dunn Avenues. It is on the first floor of the building (off the main lobby, to the left if you enter via 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 has been operating on reduced hours throughout this COVID-19 situation. It is open Monday through Friday 8am to 5pm until further notice. The phone number is 919-515-3090. The card is free, but replacement cost is $20. The card must be renewed annually.

NC State Libraries Benefits

OLLI members are entitled to limited privileges at the NC State Libraries, which includes the D.H. Hill Jr. Library and the J.B. Hunt Library (the main libraries) and three branch libraries: Natural Resources, Design, Veterinary Medical. Borrowing privileges and access to the Libraries’ extensive collections of books and journals, and most electronic resources are available. Be aware that remote access to many electronic databases and journals many 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. The libraries are not accessible to OLLI members during the 10:00PM-7:00AM time period. More information about the privileges that are open to OLLI members can be found here: www.lib.ncsu.edu/borrow/privileges. To register for privileges, OLLI members must normally activate the Wolfpack One card at the help desk before checking out materials. However, while the university is under COVID-19 restrictions, you will be able to renew your library privileges without physically going into the library. Just contact the library staff; online chat will get you the quickest results but you can also text, email or call them. This webpage contains all the contact information: https://www.lib.ncsu.edu/askus

The D.H. Hill Jr. Library will open on August 3; the J.B. Hunt Jr. Library will open on August 9. All visitors will be required to wear a mask at all times. You will need a Wolfpack One ID card to gain access. (See section on OLLI Member Benefits/Wolfpack One ID Card for information on how to obtain one)

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.

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 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.

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. We hope you will join our community of learners!

Save That Email!
We will email the link for you to access your online class 1-7 days before your class starts. For multi-week courses, the link will only be sent once, so save that email!
IMPORTANT INFORMATION

OLLI STAFF

Director
Tricia Inlow-Hatcher
inlow@ncsu.edu
919.515.8971

Assistant Director
Joan Hardman-Cobb
jcobb@ncsu.edu
919.513.2049

Program Manager
Kimberly Little
kdlittle@ncsu.edu
919.513.2047

Business & Communication Coordinator
Vanessa May
vsmay@ncsu.edu
919.515.5783

E-MAIL

Please include your e-mail on the registration form. It’s the best way for us to contact class members when there are schedule changes or when we want to let you know about special opportunities.

Contact us at:
919.515.5782
www.ncsu.edu/olli

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

**AT LARGE**
- Katie Robinson, Chair
- Julia Daniels
- Randy Fraser
- Charlie Kronberg
- Barbara McGeechay

**EX OFFICIO**
- Candy Robinson
- Ed Speas
- Lee Tate
- Alan Wood

**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
- Maureen Deis
- Carol Rahmani

- Debra Burton
- Maryann Dulick
- Steve Sakofsky

- Tina Certo
- Randy Fraser
- Ed Speas

- Lan-Anh Dang
- Bill Pace

### MEMBERSHIP DEVELOPMENT & MARKETING

- Rita Baur, Chair
- John Davis

- Maureen Deis
- Randy Fraser

- Phyllis Demko
- Tom Hutchinson

### PROGRAM SUBCOMMITTEE MEMBERS

Don Adams
Eugene Ball
Michael Bassman
Geoff Benson
Barbara Buescher
Debra Burton
Henry Campen
Brenda Carbon
Tina Certo
Chris Cortese
Sean Dail
Lan-Anh Dang
Stan Darer
Maureen Deis
Phyllis Demko
Bob Dietz
Susan Doody
Maryann Dulick

Bill Dvorak
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Joe Gosselin
David Heilner
Diana Hutchinson
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Charlie Kronberg
Tom Landsittel
Susan Lewellen
Mark Long
Josetta McLaughlin
Bob Metz
Linda Miller
Ron Monti
George Nemecz
Laura Niemi
Robert Oliva

Ben O’Neal
Bill Pace
Jim Parina
Margaret Paschal
Steve Rabin
Carol Rahmani
Candy Robinson
Matt Rogan
Steve Sakofsky
Ann Sides
Carla Skuce
Ed Speas
Thomas Toms
George Wilson

### HOSPITALITY COMMITTEE

Karen Orlovich, Chair
Jo Adams
Sally Alcorn
Grace Ann Chirico
Judy Doss
Sylvia Gill

Michelle Guy
Pat Heiden
Marie Kehres
Leslie Krotee
Adele Rogan
Arlene Wouters

### PHOTOGRAPIHER: Julia Daniels

### VOLUNTEER COORDINATOR: Linda Shell and Diane Schroeder
OLLI FALL 2020 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:

COURSE/LECTURE/STUDY TRIP #                                TITLE                               FEE
LLI-2-001-001                                           Vacationing on Mars: Ten Must-See Places!                                        $40

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For OLLI use:

TOTAL $__

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/ollii