

LIFELONG LEARNING INSTITUTE

AT  VirginiaTech  
*Invent the Future*<sup>®</sup>



*For Curious  
Adults 50 and over in the  
New River Valley*



**INAUGURAL TERM 2015**

**COURSE CATALOG**



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CLERY ACT STATEMENT

The Virginia Tech Annual Campus Security and Fire Safety Report (main campus only) includes statistics for the past three years. The report is available at [www.police.vt.edu/clery](http://www.police.vt.edu/clery). A printed copy is available upon request by calling 540-231-6183.

EO STATEMENT

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## Lifelong Learning Institute at Virginia Tech

Are you eager to learn something you never knew before? Do you enjoy getting together with others to discuss critical national issues, the latest technological breakthroughs, or what inspires an artist? Do other people's passions about literature, art, science, or history ignite your own curiosity? Or perhaps you want to learn how to map your family tree, write a personal memoir, create a better garden, or experience the rich cultural history of the region. You can do all of these things, and more, as a member of the newly created Lifelong Learning Institute at Virginia Tech. There are no prerequisites or eligibility requirements, no tests or grades, just great conversations and new experiences shared with others.

The Lifelong Learning Institute (LLI) at Virginia Tech is a member-driven, volunteer organization that draws on the wealth of academic and community resources in the New River Valley to provide intellectual, cultural, and social experiences for curious adults 50 and older.

The LLI enjoys the strong support of Virginia Tech, which provides infrastructure (registration, website development, catalog design, office space, classrooms, current and retired faculty, and start-up funding) for the initiative. But LLI is a member organization, run by volunteers committed to meeting the interests of its members throughout the New River Valley. Join us as a learner, volunteer instructor, class assistant, committee member, special interest group leader, or in many other ways. We will need your help to build a rich and rewarding array of offerings in the years to come!

The LLI at Virginia Tech Steering Committee

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## Contact the LLI at Virginia Tech

LLI Office: Public Safety Building  
Room 209, Second Floor  
330 Sterrett Drive (near stadium)  
540-231-7266  
Email: [lifelonglearning@vt.edu](mailto:lifelonglearning@vt.edu)  
Website: <http://www.cpe.vt.edu/lifelonglearning>

## Virginia Tech Continuing and Professional Education

LLI Program Portfolio Manager: Jessica Brow, [jbrow@vt.edu](mailto:jbrow@vt.edu)  
571-858-3337

Registration Contact: Tammy Stevers, [tames@vt.edu](mailto:tames@vt.edu)  
540-231-5182 (general number)  
540-231-1779 (direct)



## Membership Benefits

We welcome all who are interested in the mission and goals of the Lifelong Learning Institute at Virginia Tech. There are no prerequisites, educational or otherwise, for membership — only a desire to join others in intellectual exploration. The people, courses, stimulating discussions, events, and special access to university resources, all add up to a fun and rewarding experience. Membership provides:

- Eligibility to register for a wide variety of unique classes at convenient and accessible locations at Virginia Tech and around the NRV community (class tuition and special fees apply)
- Printed course catalog mailed to your home
- Visitor parking passes to attend on-campus classes or tours (if needed)
- Special events tied to selected Virginia Tech Center for the Arts performances
- Distinguished lecture series at no charge
- Free (or low cost) tours and talks about the latest research and education initiatives happening on campuses in the region
- A community of engaged and engaging peer members

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## Inaugural Year Terms, Fees, and Registration

There will be two six-week terms during the inaugural year. Fall 2015 term will begin the week of October 5; most courses will complete by November 13. Courses typically meet one day per week for 1 ½ hours over six weeks. However, the pattern varies for some courses. Please note the length of the class and the specific class meeting dates detailed in each course description before registering for that course.

Winter/Spring Term is expected to begin in early February 2016.

The membership fee is \$20 per term. You must be a member to register for a course and attend special member events.

LLI courses are \$25 per course. The Warm Hearth Sampler, which meets for three hours, is \$30. Some courses require an additional materials fee, purchase of a textbook or supplies. Additional fees or costs are noted in the course description.

Registration for Fall 2015 opens Monday, August 17.



Time	Monday	Tuesday	Wednesday	Thursday
9:00 – 10:30 a.m.	<b>Civil Rights Struggle in VA</b> Wallenstein (6 weeks, begins Oct. 12, ends Nov. 16) <i>Virginia Tech Public Safety, Classroom 153</i>		<b>Tracing Your Family Genealogy</b> Phillips <i>Blacksburg Presbyterian Church</i>  <b>Basic Printmaking</b> Ghezzi <i>Blacksburg Community Center</i>	<b>Understanding Science in the News</b> 6 speakers <i>Virginia Tech Public Safety, Classroom 153</i>
9:00 – 11:45 a.m.		<b>VT CLASS Sampler at Warm Hearth Village Center</b>		
10:00 a.m. – 12:00 p.m.				<b>Watercolor – Just Do It!</b> Pace-Berkeley <i>Blacksburg Community Center</i>
11:00 a.m. – 12:30 p.m.	<b>Reflections on the Union, Confederacy &amp; the Civil War</b> Davis <i>Warm Hearth Village Center</i>		<b>The Role of Inspiration in the Creative Process</b> 5 guest artists/5 weeks <i>Virginia Tech Public Safety, Classroom 155</i>	
1:00 – 2:30 p.m.		<b>Arab Nationalism</b> Ochsenwald (5 weeks, begins Oct. 13) <i>Virginia Tech Public Safety, Classroom 153</i>	<b>The Problem of Marriage in Two English Novels</b> Squires (7 weeks) <i>Virginia Tech Public Safety, Classroom 155</i>	<b>Political/Editorial Cartoons as Political Discourse</b> Sewell <i>Hillel at Virginia Tech</i>
3:00 – 4:30 p.m.	<b>Gardening 101</b> Huckestein <i>Virginia Tech Greenhouse Classroom</i>		<b>Memoir Writing</b> Gilbert <i>Virginia Tech Public Safety, Classroom 155</i>	

Special events, tours, and lectures are described on page 21.



## Definitions of Terms used in Course Descriptions

**ACTIVITY:** Participants will be expected to do something related to the course topic, such as writing, photography, plant identification, or artwork. Not every session necessarily includes an activity.

**DISCUSSION:** Discussion usually takes place in a small class in which participants can engage with each other as well as with the instructor. The instructor may pose questions to participants for their responses.

**LECTURE:** A significant part of the class consists of prepared remarks by the instructor.

**QUESTION/ANSWER:** Usually the questions are initiated by participants and answered by the instructor.

**READING:** The instructor expects that participants will come to class having read the assigned materials.

**RECOMMENDED READING:** The reading will aid understanding but is supplemental rather than required.

**WORKSHOP or STUDIO:** A significant part of the class is a project. The instructor guides the participants in completing the project.

### SNEAK PREVIEW – WINTER/SPRING 2016 GREAT DECISIONS

The League of Women Voters (LWV) and LLI have created a partnership to continue offering Great Decisions in the NRV. This popular community discussion group on foreign affairs will be offered in the Winter/Spring 2016 term. Watch for registration information in the next LLI catalog.

- Same great format co-hosted by LWV and LLI
- Plans for a larger meeting space and convenient parking
- Participants must join LLI as members, but no course fee for Great Decisions





# The Civil Rights Struggle in Virginia

## LECTURE, READING, DISCUSSION

Much of what we hear and learn about the Civil Rights Movement comes from developments in the Deep South, especially Alabama or Mississippi. What about Virginia? In this course, we will explore some of the personalities and events that shaped not only Virginia but elsewhere, including the Deep South.

### TOPICS

The Case against Jim Crow—Key Court Cases from Virginia

Virginia and the Road to *Brown v. Board of Education*

Virginians Fight over Massive Resistance

Higher Education: Pioneer Black Students on Historically White Campuses

Sit-Ins and Freedom Rides—Virginians and Direct Action

White Anti-Racists from Virginia in the Civil Rights Movement

**READING** (The readings below will be distributed as handouts.)

Peter Wallenstein, *Cradle of America: A History of Virginia*, UP Kansas, 2nd edition (2014), chapters 23, 24.

Edward H. Peeples, *Scalawag* (2014), UP Virginia, selections.

Peter Wallenstein, "To Sit or Not to Sit." *Journal of Supreme Court History*. Volume 29, Issue 2, pages 145–162, July 2004.

**Monday, 9:00 – 10:30 a.m.**  
**Public Safety Building, Classroom 153, Virginia Tech campus**  
**6 weeks** (October 12, 19, 26, November 2, 9, 16)  
**Note that first class session is October 12**  
**Class Limit: 50**

### INSTRUCTOR

Peter Wallenstein is an award-winning professor of history at Virginia Tech (awards for both teaching and research). He is the author of various books and essays on the Civil Rights Movement, in Virginia and in general.





# Reflections on the Union, the Confederacy, and the Civil War

## LECTURE, QUESTION/ANSWER

Six discrete lectures will provide overall context on why the United States came to a crisis over slavery in 1860-1861, the nature of secession and how it came about, both the revolutionary and reactionary nature of the new Confederate government, the phenomenon of two concurrent democracies in operation during wartime, as well as the ultimate collapse of the Confederacy and triumph of the Union. Special emphasis will be placed on how the experience still resonates with Americans today and its essential role in how Americans perceive themselves, democracy, and their place in the world. There will be very little detailed discussion of campaigns and battles.

## TOPICS

- The Secession Crisis 1860-1861
- The Formation of the Confederate Government
- The Union and Confederacy as Political, Social, and Cultural Entities
- Abraham Lincoln and Jefferson Davis as Chief Executives and Commanders-in-Chief
- Ulysses S. Grant and Robert E. Lee as Commanders and Emblems
- The Decline and Fall of the Confederacy

Monday, 11:00 a.m. – 12:30 p.m.

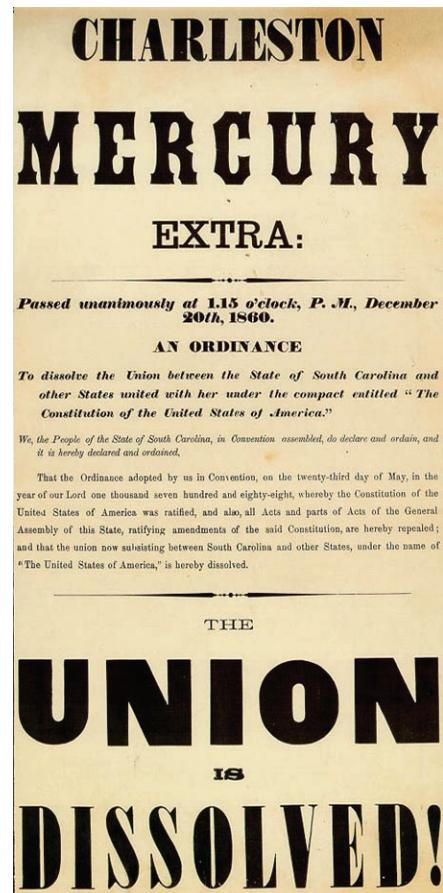
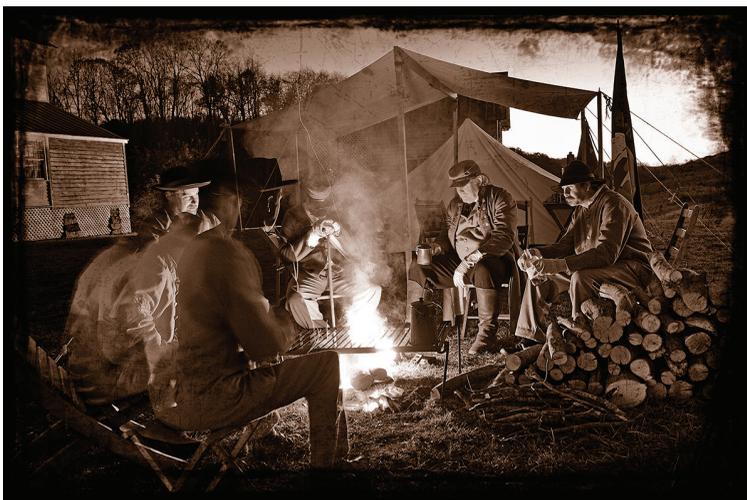
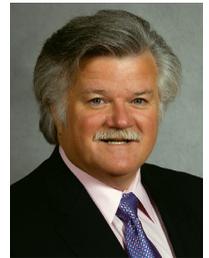
Warm Hearth Village Center

6 weeks (October 5, 12, 19, 26, November 2, 9)

Class Limit: 80

## INSTRUCTOR

William C. “Jack” Davis was a Professor of History and Executive Director of the Virginia Center for Civil War Studies at Virginia Tech from 2000 to 2013. He is author or editor of 50+ books in the fields of Civil War and Southern history. He has also worked in book and magazine publishing.





## Gardening 101

### LECTURE, ACTIVITIES

This course will cover the foundations of gardening. The course will include both lecture and hands-on lab activities in the greenhouse as well as outside in the Hahn Horticulture Garden.

### TOPICS

Plant growth and development, plant classification and nomenclature, soils and water, plant nutrients, garden planning and design, trees and shrubs, herbaceous plants, gardening for (or to avoid) wildlife, pests and diseases, and container gardening.



Monday, 3:00 – 4:30 p.m.

Greenhouse Classroom, Hahn Garden,  
Virginia Tech campus

6 weeks (October 5, 12, 19, 26, November 2, 9)

Class Limit: 25

### INSTRUCTOR

Stephanie Huckestein is the Education and Outreach Coordinator for the Hahn Horticulture Garden at Virginia Tech. She is also an instructor for the courses in Indoor Plants and Organic Gardening at Virginia Tech. Previously, she was Head Horticulturist for the Hahn Garden. She also teaches Master Gardener training classes in several counties and teaches programs for youth and adults.





## VT CLASS Sampler

### LECTURE, QUESTION/ANSWER

VT “CLASS” stands for “Creative Learning Academy for Senior Scholars.” This sampler includes two sessions each Tuesday morning featuring university and community members sharing their individual expertise and passion for the performing arts, history and culture, creative writing, and much more. See the LLI website for the full list of topics and speakers scheduled for Fall 2015.

**October 6, 9:00 – 11:45 a.m.**

#### Judy Bevans

The Harpsichord and Elements of Baroque Performance Style

Presentation about the Baroque Period and history of the harpsichord followed by a live demonstration. Participants will be able to try their hand at playing the harpsichord afterwards.



**October 13, 9:00 – 10:15 a.m.**

#### Jane Goette

Haven't Read Poetry Since Robert Frost in High School?

Sometime in the 1980's, I heard Bill Moyers ask the poet, Stanley Kunitz, why people of today should read poetry. Kunitz looked shocked by the question. His eyes widened, he leaned forward, and with sincere intensity responded: “Because we are hungry for truths that can only be told to us through the medium of art.”

My presentation is intended to introduce a few great poets we *didn't* read in high school whose contemporary voices may awaken a hunger you didn't know you had.



**Tuesday, 9:00 – 11:45 a.m.**

**Warm Hearth Village Center**

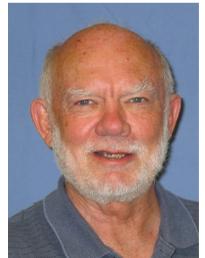
**6 weeks** (October 6, 13, 20, 27, November 3, 10)

**Class Limit: 80**

**October 13, 10:30 – 11:45 a.m.**

#### Jim Shockley and Rick Ellison

How the Civil War Changed Medicine and Surgery



**October 20, 9:00 – 10:15 a.m.**

#### Bob Miller, USPAP Certified Appraiser

The History of American Silver

**October 20, 10:30-11:45 a.m.**

**Laura Sands**, Professor, Virginia Tech Center for Gerontology





### The Village Center, Warm Hearth Village



**October 27, 9:00 – 10:15 a.m.**

**Molly McClintock with  
Lynda Chamowitz**

RFRA in the Time of Marriage  
Equality

Join us for a discussion of the Religious Freedom Restoration Act, its history, and recent attempts to use RFRA to discriminate against gay and lesbian couples.



**November 3, 10:30-11:45 a.m.**

**Jim Price**

Against All Odds: The Early Settlement of the New River Valley  
When German settlers came to the New River Valley in the 1740s, there were many elements about this frontier to uncover. We will discuss their journey and the evolution of this area in this presentation.

**Tuesday, October 27, 10:30-11:45 a.m.**

**Don Drapeau**

What is Theatre? The Theatre Moment  
We will explore the beginnings of theatre and how the audience makes connections in the creative process.



**November 10, 9:00 – 10:15 a.m.**

**Craig Woolsey**, Professor, Aerospace and  
Ocean Engineering

The Commercialization of Drones: What's That Humming Noise?



See the LLI website for full list  
of speakers in this series.



## The Rise and Fall of Arab Nationalism

### LECTURE, READING, QUESTION/ANSWER

The multiple crises affecting the contemporary Arab Middle East are related to the origins, development, initial successes, and later failures of Arab nationalism. This course will discuss the nature of national identity, the historical origins of Arab nationalism, European imperialism in the Middle East, a struggle between Pan-Arabism and local state identity, the rise of Islamism, the role of the Soviet Union and the United States in Arab nationalism, the Arab Spring of the 2010s, the collapse of Pan-Arabism and the Ba`th political party, and the implications of these developments for the present-day Middle East and its future.

### TOPICS

National Identity, the Ottoman Empire, the Origins of Arab Nationalism, and World War I

Colonialism, Imperialism, Nationalist Resistance, Independent Nation States, and the Arab League 1918-1952

Pan-Arabism, the Ba`thist Dilemma, Egypt Abandons Pan-Arabism, Oil Wealth, the Saudi Alternative to Nationalism, the Super Powers, 1952-1980

Ba`thist Collapse, Islamic Radicalism, and Cultural Arabism, 1980-2003

Police States, the Arab Spring, the Failure of Arab Nationalism, Implications for the Present and Future

### READING

Adeed I. Dawisha, *Arab Nationalism in the Twentieth Century: From Triumph to Despair*, Princeton University Press, 2003. (Available from Amazon for \$25.02 and on reserve in the Blacksburg Public Library)

Tuesday, 1:00 – 2:30 p.m.

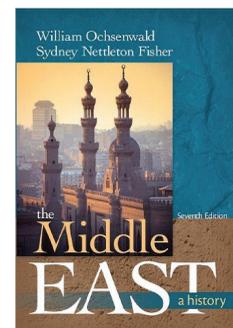
Public Safety Building, Classroom 153,  
Virginia Tech campus

5 weeks (October 13, 20, 27, November 3, 10)  
Note that first class session is October 13

Class Limit: 50

### INSTRUCTOR

Dr. William Ochsenwald, Emeritus Professor of History at Virginia Tech, taught classes on the history of Islam, the Middle East, modern Arab nationalism, and the Arab-Israeli dispute. He is the author of four books, including a widely-used textbook, *The Middle East: A History*. He continues to be professionally active in editorial and review work and frequently gives media interviews and public lectures.





# Tracing Your Family Genealogy

## LECTURE, DISCUSSION, ACTIVITY

Have you thought about what country your ancestors lived in? Where did they first settle in America or how long they have been here? When did the family farm or business begin?

If you are curious about your family history, you will learn about resources that may answer the above questions, build the family tree, and more.

## TOPICS

You will learn how to use online resources and searchable databases to locate family records. Additional resources to trace your family genealogy include census records, vital records, federal records, land records, state records, church records, military records, and family records. You will learn how to search records at local courthouses and libraries. Class sessions will be used to build the family tree and trace genealogy.

## MATERIALS NEEDED

Optional to bring personal laptop or tablet. Wi-fi available in the classroom.

Wednesday, 9:00 – 10:30 a.m.

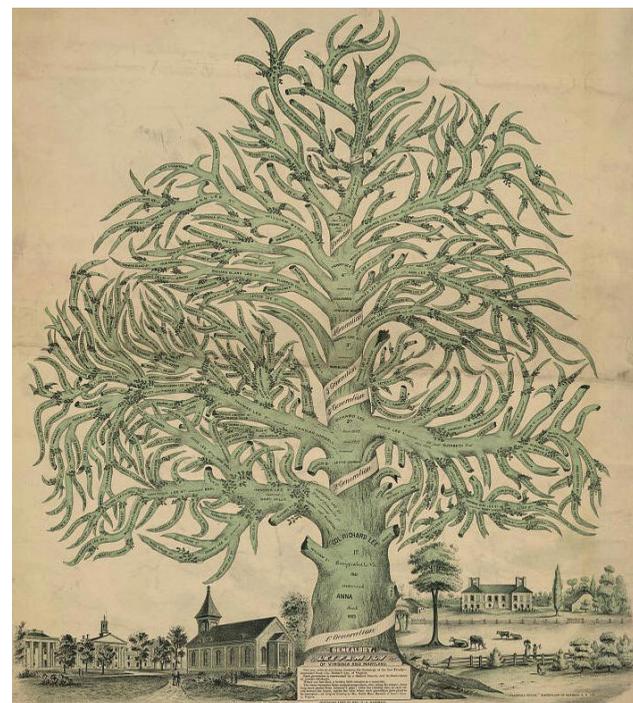
Hatcher Conference Room  
Blacksburg Presbyterian Church

6 weeks (October 7, 14, 21, 28, November 4, 11)

Class Limit: 15

## INSTRUCTOR

Linda H. Phillips is a member and past officer of the Alleghany Chapter of the Daughters of the American Revolution. She holds a Bachelor of Science Degree in Business Administration with an option in Marketing from Virginia Tech and has been a realtor in the New River Valley for 25 years.



WEDNESDAY



## Basic Printmaking

### LECTURE, STUDIO

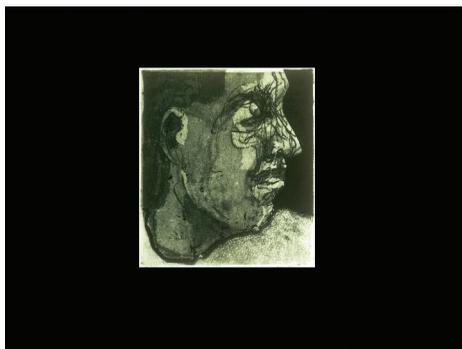
In this class you will become familiar with basic etching processes and produce at least two finished editions of prints. This class is open to all level students who are interested in learning or refreshing the technique of etching. It covers the basics of line etching, hard ground, aquatint for tonal effects, and soft ground for creating textures and painterly effects on an etching plate. The instructor will demonstrate etching and print techniques, and work with each student to create images of their choice. Sample prints for each process will be shown and discussed. Come explore the basic techniques of etching and create your own image in this fascinating and accessible medium.

### TOPICS

We will learn about and practice the basic concepts and practices in the etching process.

### MATERIALS NEEDED

\$35 paid at time of registration. Instructor will provide necessary materials for the class.



**Wednesday, 9:00 – 10:30 a.m.**

**Art Room, Blacksburg Community Center**

**6 weeks** (October 7, 14, 21, 28, November 4, 11)

**Class Limit: 15**

### INSTRUCTOR

Rebecca Ghezzi has taught relief printmaking, book arts, papermaking, etching, and drawing in the United States and Italy.





# The Role of Inspiration in the Creative Process

## DISCUSSION, SITE VISIT

This course offers you the opportunity to talk with leading artists of the New River Valley about what inspires their work. Every creation has a story. Discussing the artists' stories will both illuminate their art and add to your understanding of the creative process.

## TOPICS and PRESENTERS

### October 7

**Donna Dunay** (architecture)

What Makes a Town?

Donna Dunay, the G.T. Ward Professor of Architecture at Virginia Tech, specializes in urban design, architecture, and community identities as well as product design and production. She is a Fellow of the American Institute of Architects, and she has received the Distinguished Professor Award from the Association of Collegiate Schools of Architecture.



### October 14

**Nikki Giovanni** (poetry)

*Chasing Utopia*

University Distinguished Professor Nikki Giovanni has received seven NAACP Image Awards for her poetry. She has won the Langston Hughes Medal for Poetry and was the first recipient of The Rosa L. Parks Woman of Courage Award. Of her latest collection, *Chasing Utopia*, *The Los Angeles Times* wrote, "even at her softest, her most glancing, Giovanni never looks away from what matters most, which is our ability to look out for one another."



**Wednesday, 11:00 a.m. – 12:30 p.m.**

**Public Safety Building, Classroom 155,  
Virginia Tech campus**

**5 weeks** (October 7, 14, 21/23, 28, November 4)

**Class Limit: 16**

### October 21 or 23 Studio Visits

**Janet Niewald** (visual art)

Painting as Discovery

Janet Niewald was on the faculty of the School of Visual Arts at Virginia Tech for 34 years. She has received a Ford Foundation Grant/Artist-in-Residency at the University of Georgia, and the Virginia Tech College of Architecture and Urban Studies' "Career Achievement Award," among others. Her exhibitions include two invitational exhibitions of contemporary American artists at the National Academy of Design in New York.



Students may choose one of two visit dates to her studio in Ellett Valley—Wednesday, October 21, 11:00 a.m. – 12:30 p.m. or Friday, October 23, 10:30 .M. – noon. Each tour is limited to eight participants.

Call the LLI Office to let us know of any disability or special need so that you can determine if the studio tour is advisable for you.

WEDNESDAY



## COURSES

**October 28**

**Joni Pienkowski** (painting)

Hatching

Joni Pienkowski is a painter of national reputation. Her traveling exhibitions have been funded by the National Endowment for Arts. Solo and group exhibitions include the Virginia Museum of Fine Arts, Columbia University, the Milwaukee Arts Center, and the National Watercolor Society show at the Smithsonian.



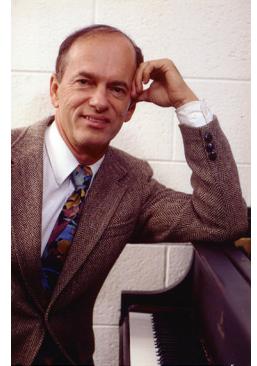
Of her current work, "Hatching," she writes: "Not a current theme. It keeps bursting out, flowing in another direction. Out of the egg, the seed, the cocoon. Here comes another happening, and I put down a new mix of media, on beautiful paper, beautiful wood. The wood and paper receive my ideas differently, pushing me in their direction. The heft of the handmade paper is awesome. The grain of the wood whispers or shouts or keeps quiet. My reactions to the unseen processes of nature need to be imagined."

**November 4**

**Kent Holliday** (music)

The Lightbulb

Kent Holliday has taught piano, composition, and theory Virginia Tech since 1974. A four-time winner of the Virginia Music Teachers Association's composition competition, Kent was awarded the Ascaplus Award for his work "Tango Exotico." Of his teaching, Kent writes, "my favorite thing is seeing the 'light bulb' go on in our students, particularly in the area of creativity. It is apparent they are discovering something new, something different about themselves that they perhaps never encountered before."



WEDNESDAY



Image by Andy Morikawa. Used with permission.



## The Problem of Marriage in Two English Novels

### READING, LECTURE, DISCUSSION

Two classic novels of 19th-century England treat, very differently, the problem of marriage in a volatile century. Jane Austen's *Pride and Prejudice* (1813) looks at marriage as an opportunity for emotional empowerment; Thomas Hardy's *Jude the Obscure* (1895) sees marriage as the collapse of opportunity and entitlement. By looking at key passages in these works—and at bits of history—we will try to discover how social conditions could have fostered such opposed ideas about marriage.

### TOPICS

Chief question: What accounts for the dramatic shift in moral values between 1800 and 1900? The course will emphasize the social history of the nineteenth century, especially the problems of marriage, infidelity, divorce, educational opportunities, and legal restrictions on women. Some application to issues in our contemporary society.

After an introductory lecture, we will spend three weeks on each novel.

### READING

Jane Austen, *Pride and Prejudice*

Thomas Hardy, *Jude the Obscure*

Wednesday, 1:00 – 2:30 p.m.

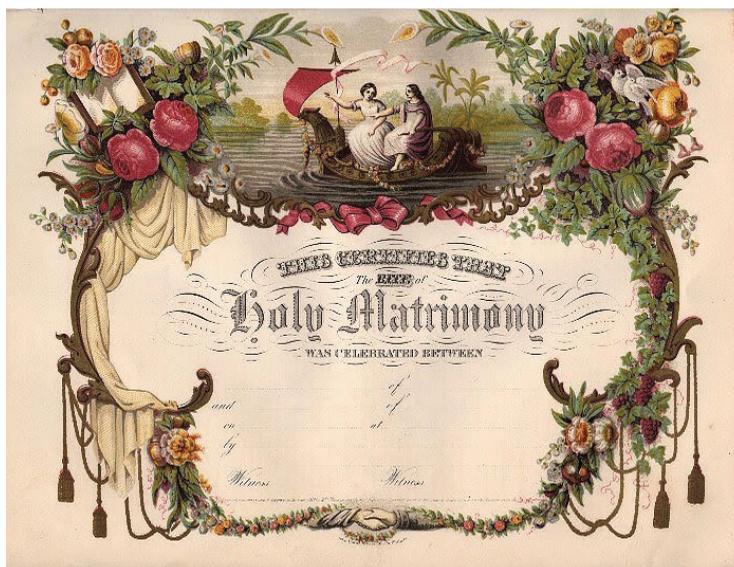
Public Safety Building, Classroom 155,  
Virginia Tech campus

7 weeks (October 7, 14, 21, 28, November 4,  
11, 18)

Class Limit: 20

### INSTRUCTOR

Dr. Michael Squires, Emeritus Professor of English, specializes in the English novel. He is the author of nine books and numerous chapters and articles. He chaired the English Department, was the Clifford Cutchins III Professor, and was elected to the Academy of Teaching Excellence at Virginia Tech.





## Memoir Writing: Turning Your Experience into Art— Part One: Basics of the Genre

READING, LECTURE, DISCUSSION, ACTIVITY

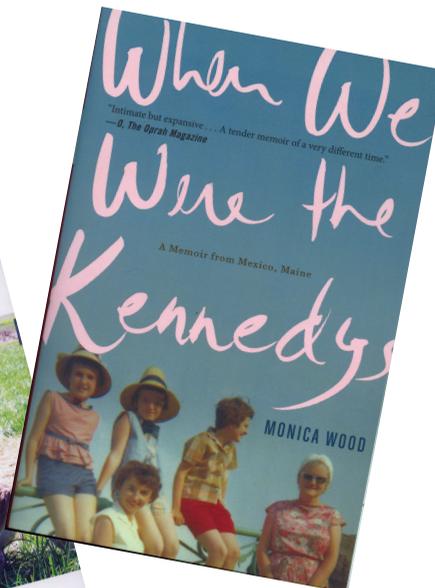
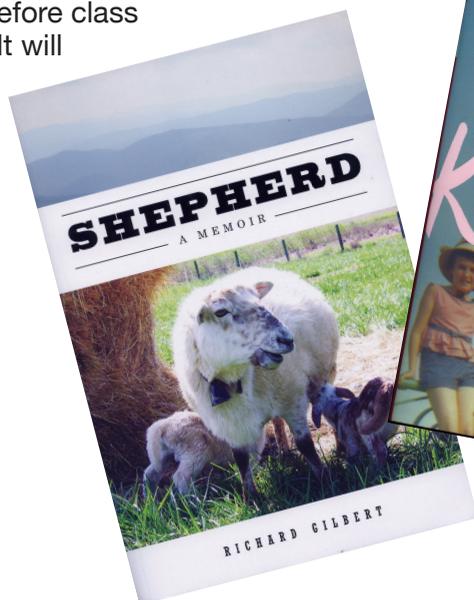
Memoirs have become bestsellers, listeners tune into essays on NPR’s “StoryCorps,” and the pages of the *New York Times* are filled with essays in standing series. We live in a time of personal narrative. This course is the first of a two-part series. Part One, in the fall, introduces the basics of memoir writing through reading, lectures, and in-class and take-home exercises that result in several short to medium-length essays. In the spring class (“Writing a Memoir Essay”), you will write a 10- to 20-page memoir concerning something interesting to you.

### TOPICS

Three aspects of a quality memoir—scene, persona, and structure—are foundational in understanding and practicing the genre. These are taught in turn, but to a degree must be taught at the same time. Shifting emphasis by the teacher keeps this from being overwhelming. Under this umbrella, the myriad elements of effective writing fall into place.

### READING

Monica Wood. *When We Were the Kennedys: A Memoir from Mexico, Maine*. Houghton-Mifflin, 2012 (\$11.10 at Amazon). Please read this memoir before class begins if possible. It will provide a base for understanding the genre of memoir.



Wednesday, 3:00 – 4:30 p.m.

Public Safety Building, Classroom 155,  
Virginia Tech campus

6 weeks (October 7, 14, 21, 29, November 4, 11)

Class Limit: 20

### INSTRUCTOR

Richard Gilbert has recently moved to the New River Valley. He has taught creative nonfiction and journalism at Otterbein University (Ohio), Ohio University, and Indiana University. He has also worked in university press publication. In 2014, his own memoir, *Shepherd*, was published. It tells about fulfilling a childhood dream of farming and about his family’s life on an Appalachian farm, intercut with flashbacks to other time periods. The memoir is a finalist for the Ohioana Book Award.





# Understanding Science in the News: Technological Innovations

## LECTURE, DISCUSSION

Are you intrigued by news flashes about technological innovations that may be changing the way we live, but either don't have the background or the time to learn about how those innovations function? Do you wonder about when these innovations will be available or whether the claims for what they may do are realistic?

This course will feature a different presenter each week with expertise in technological innovations that have been featured in the news. The presenter will highlight things such as

- the potential of the innovation for changing our lives
- the range of potential uses for the innovation
- how the innovation functions, with explanations for a general audience
- other considerations—timeline for availability, cost, downsides to use

## TOPICS

### October 8

#### Drug Delivery Using Nanotechnology.

**Richey Davis**, Chemical Engineering, Virginia Tech. Dr. Davis will describe strategies for controlled drug delivery using polymer nanoparticles that could be used to treat cancer, tuberculosis and other diseases. The nanoparticles can also contain imaging agents so that the biodistribution of the nanoparticles in the body can be tracked.



Thursday, 9:00 – 10:30 a.m.

Public Safety Building, Classroom 153, Virginia Tech campus

6 weeks (October 8, 15, 22, 29, November 5, 12)

Class Limit: 50

### October 15

#### Robotics: Past, Present, and Future Developments.

**Alex Leonessa**, Mechanical Engineering, Virginia Tech.

Dr. Leonessa will discuss how practical robotics had their origins inside factories manufacturing products on assembly lines, where speed, precision, and reliability were paramount. As robots migrated out of fixed automation into unstructured and unpredictable realms, it became clear that a range of sensors and artificial intelligence would be needed to achieve autonomy. This has given rise to the field of 'intelligent robotics' where perception, reasoning and actuation are coupled to achieve useful tasks

with little human guidance. Pursuit of this goal, while promising practical outcomes, also is laced with romance and the idea of fabricating a human like 'creature' of intelligence and grace which can be a human helper and companion.





**October 22**

### Computer-Designed Spacecraft.

**Kevin Shinpaugh**, Virginia Bioinformatics Institute, Virginia Tech.



**November 5**

### How Safe is the Internet?

**Randy Marchany**, University Information Technology Security Officer, Virginia Tech. With all the publicity about data breaches, one wonders how safe the Internet is. In this session, we'll talk about some of the attacks and what caused them to happen. We'll provide some tips and pointers on what you can do to safeguard your information. We'll talk about smartphones, the Internet of Things and how these things can affect your privacy and security. We'll discuss some common sense practices you can do right away.



**October 29**

### Drones.

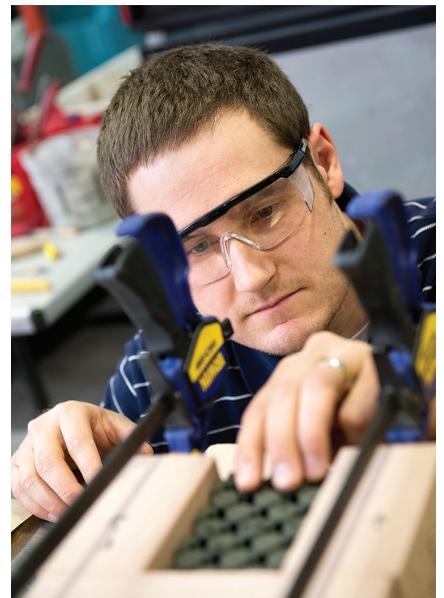
**Kevin Kochersberger**, Mechanical Engineering, Virginia Tech. Dr. Kochersberger will present a range of topics regarding unmanned aircraft, including our work at Virginia Tech in agriculture, infrastructure monitoring, nuclear materials detection, and experimental aircraft design. He also will talk about the regulatory issues that are controlling (or restricting) public and commercial use of the aircraft.



**November 12**

### 3D Printing: Current and Future Applications.

Presenter to be announced. This presentation will give insight into 3D printing and its potential for one-of-a-kind designs and in manufacturing technologies.





# Watercolor—Just Do It!

## STUDIO

Students will explore basic techniques of watercolor and use luminous washes to express their creative selves. The class will focus on finding and using the right materials, employing the correct technique, thinking backward, simplifying, working loose, and using enough water. In 6 classes we will cover the basic concepts and practices of how to create a powerful painting that has “Voice.”

## TOPICS

- Materials
- Basic techniques
- Color and color mixing
- Value and Enrichment shapes
- The movement of watercolor
- Composition and design
- Making your painting conceptual

## READING

Any watercolor book; example: David Lewis, *Watercolor Painting Techniques*, ISBN: 0-8230-5669-4. From \$0.01 at Amazon. Any and all information on Watercolor

## SUPPLIES

Participants will need to provide their own large spiral bound watercolor pad of paper, paint colors, drawing board, brushes, and other minor supplies. A detailed list will be provided to registrants.

Thursday, 10:00 a.m. – 12:00 p.m.

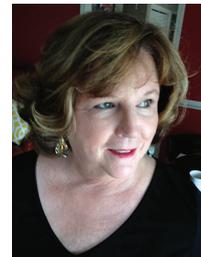
Art Room, Blacksburg Community Center

6 weeks (October 8, 15, 22, 29, November 5, 12)

Class Limit: 15

## INSTRUCTOR

Jessica Pace-Berkeley has a BFA degree from Virginia Tech. She is a Professional Fellow of the Virginia Museum of Fine Art and Artist in Residence at the Don and Catherine Bryan Cultural Services, Outer Banks. She has taught adult watercolor classes at the Virginia Center for Contemporary Art. She has also taught at the Virginia Beach Art Center and for the Montgomery County Public Schools.





## Political and Editorial Cartoons as Political Discourse

### LECTURE, DISCUSSION, ACTIVITY

“If you make people mad, you make them think,” said Steve Benson, editorial cartoonist for the *Arizona Republic*. This course explores the role of political/editorial cartoons and caricatures as a form of political discourse. The major emphases are on cartoons and freedom of expression, use of metaphorical images in cartoons [such as maps and geographical references], and audience response from the elementary school child to several presidents. Cartoon examples, while mainly U.S., include an array of international cartoonists. Finally, there is a cartoonist in each of us so we’ll do some cartooning exercises, just for the fun of it!

### TOPICS

History and development of political/editorial cartooning

Issues of freedom of expression

Metaphors and themes (maps as caricature, popular culture images; myth, etc.)

Political responses from readers and political leaders (several presidents including both LBJ and Nixon were heavily involved with cartoonists in both positive and adversarial roles)

Technological and socioeconomic changes in cartooning

Thursday, 1:00 – 2:30 p.m.

Hillel at Virginia Tech

6 weeks (October 8, 15, 22, 29, November 5, 12)

Class Limit: 50

### INSTRUCTOR

Dr. Edd Sewell is Professor Emeritus of Communication at Virginia Tech, where he taught visual media and international communication. His research specializations are visual humor, editorial cartoons, and diversity issues. He is the author of numerous papers and book chapters on political/editorial cartoons and co-editor with Matt McAllister and Ian Gordon of *Comics and Ideology*, 2nd ed., Peter Lang, 2001.



MARGULIES  
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# LivingWell@50+

## September 8

One-day conference at the Inn at Virginia Tech

8:30 a.m. (check in), program 9:30 a.m. – 2:30 p.m.

Details and registration at [www.cpe.vt.edu/livingwell](http://www.cpe.vt.edu/livingwell)

\$30 including lunch and breaks

Today's seniors are redefining what it means to age successfully, shifting from a preoccupation with loss and decline to an exploration of ways to achieve greater meaning and joy in daily life. For some, that may mean pursuing travel and an active lifestyle. For others, it may be deepening relationships with family, friends, and organizations that enrich our lives, ignite our passions, and feed our souls. This conference is designed to stimulate your thinking about what successful aging might mean for you, to learn strategies that you can incorporate into your daily life, and to provide resources for active engagement in the New River Valley. Join your New River Valley neighbors for this fun and informative event.

### Learn Something New:

- ▶ Facebook
- ▶ Blogging
- ▶ Improvisation
- ▶ Taiji
- ▶ What's in your food?
- ▶ Optimizing health over your lifespan

### Find Your Passion:

- ▶ In the creative arts
- ▶ Outdoor recreation

### Enjoy:

- ▶ Music from the Crooked Road
- ▶ Wine tasting
- ▶ Lunch and great conversations
- ▶ Opportunity Fair

### Expand Your Perspectives:

- ▶ Mindfulness
- ▶ The joys of lifelong learning

Nine sponsors, led by the Blacksburg AARP chapter, have come together to host **LivingWell@50+**, a wonderful collaboration of organizations and agencies in the New River Valley serving adults 50+.



Blacksburg Chapter



Center for Gerontology



LIFELONG LEARNING



Please register separately for this event at: [www.cpe.vt.edu/livingwell](http://www.cpe.vt.edu/livingwell) by September 1.



## FREE LECTURES, TOURS, and SPECIAL EVENTS

Please register for the following special LLI events so that we can plan for your attendance and have your contact information for emergency purposes. You can register online (or on the form) at the same time you register for other courses, or register separately later by going to the Events tab on the LLI home page. Watch for specific registration deadlines and limits below. All events below are free to LLI members.

### A Conversation with Guest Artist, Anthony de Mare

#### LECTURE, Q&A, DEMONSTRATION

Concert pianist, Anthony de Mare, will share his experience commissioning new works from 36 of the world's foremost contemporary composers to "re-imagine" Sondheim's songs as solo piano pieces. He will illustrate these transformations with excerpts of the works. Meet this engaging and award-winning performer in an intimate setting on Thursday afternoon, before his Friday, September 18 concert at the Moss Center for the Arts.

The event is free and open to all as a way to introduce LLI to the NRV community and to highlight the generous partnership with the Moss Center for the Arts. Please register on the LLI website ([www.cpe.vt.edu/lifelonglearning](http://www.cpe.vt.edu/lifelonglearning)), online registration with CPE, or on the enclosed form. Refreshments and conversation will follow the artist's talk.

**Thursday, September 17**

**1:30 – 3:00 p.m**

**Hillel at Virginia Tech**

710 Tom's Creek Road, Blacksburg





# Translational Medical Research Breakthroughs at the Virginia Tech Carilion Research Institute (VTCRI)

with Michael Friedlander

## LECTURE, Q&A

Several recent discoveries at the VTCRI are revolutionizing opportunities for diagnosis, treatment and prevention of human disease and promotion of health. From fundamental scientific discovery to health care delivery, VTCRI research teams are having an impact on our understanding of how the brain develops and makes choices, how regenerative medicine can improve wound healing, why the heart sometimes fails to work properly, how aging affects the brain, and how we can identify more easily and effectively children with autism spectrum disorder. Get a taste of the work going on and where these research discoveries may lead in the future.



**Monday, October 12**

**3:00 – 4:30 p.m**

**Alumni Assembly Hall**

The Inn at Virginia Tech, Blacksburg

## LECTURER

Michael Friedlander, PhD, is founding executive director of the Virginia Tech Carilion Research Institute, where he provides leadership to more than two dozen premier research teams engaged in developing new strategies for preventing, diagnosing, and treating major health challenges.



As Virginia Tech's associate provost for health sciences, Dr. Friedlander leads the development of the university's new Faculty of Health Sciences and a university-wide doctoral program in Translational Biology, Medicine, and Health.

Before joining Virginia Tech in 2010, Dr. Friedlander served as the Wilhelmina Robertson Professor of Neuroscience, chair of the Department of Neuroscience, and director of neuroscience initiatives at Baylor College of Medicine at the Texas Medical Center in Houston. He also served for 25 years at the University of Alabama Birmingham School of Medicine.

**Visit VTCRI on October 27th and see research in action.**



## Imaging the Processes of Life in Health and Disease – From Molecules to Brains and Hearts.

Virginia Tech Carilion Research Institute, Roanoke

### TOUR, DEMONSTRATION

This tour is the perfect follow up to the October 12 lecture on VTCRI research discoveries, although you need not have attended the lecture to participate in the tour. Our group will visit several VTCRI research laboratories to see the techniques and methods used by scientists to visualize the processes of life both in normal conditions and in response to disease and injury. VTCRI investigators will show us how they develop and apply multi-modal imaging technologies to isolated molecules and cells, as well as laboratory mice and humans to evaluate such conditions as addiction, autism, brain injury, cancer, heart disease, infectious diseases, wound healing and regeneration.

**Tuesday, October 27**

**Depart Blacksburg at 8:45 a.m. from the Inn at Virginia Tech; return by 12:30 p.m.**  
Bus transportation provided.

**Free, register by Tuesday, October 20**

**Limit: 20**

## Check out the Smart Road

### LECTURE, Q&A, TOUR

Get an overview of the research conducted by the Virginia Tech Transportation Institute, the second largest university-based research institute in the U.S. Learn about naturalistic driving studies, future technologies under investigation, and current research involving senior citizen drivers. After the presentation, members will be given a tour of the world class Smart Road.



**Tuesday, November 3**

**3:00 – 5:00 p.m.**

**Virginia Tech Transportation Institute (VTTI)**  
3500 Transportation Research Plaza, Blacksburg

**Free, register by Friday, October 30**

**Limit: 23**

### INSTRUCTOR and HOST

Dr. Justin Owens is a Senior Research Associate in the Center for Vulnerable Road User Safety at VTTI. His research interests include senior driver safety, driver distraction, pedestrian and bicyclist safety, and the safety of road users with disabilities, including ongoing collaboration with the Virginia Tech Center for Autism Research.





# Experiencing A Tornado and Living to Tell About It

**LECTURE, Q&A, DEMONSTRATION**

Are you curious about the dynamics that create severe weather conditions, or maybe you are a weather junkie who avidly follows weather news? Experience what it is like to be immersed inside of a tornadic supercell thunderstorm using Doppler Radar imagery and the 3-D environment of the ICAT Cube, along with learning the tools and techniques researchers and forecasters use to forecast and intercept severe thunderstorms and tornadoes in the field. Participants will learn about the role of instability and shear play in the development of severe storms and tornadoes, look at the instrumentation used to document storms in the field, and compare environments that resulted in tornado development versus those that did not. Class volunteers can experience what it is like to be inside of a building being destroyed by a tornado (actual audio from a tornado strike) as well as walk around and through the 3-D radar of a tornado-producing supercell thunderstorm.



**Friday, November 13**

**10:00 a.m. – 12:00 p.m.**

**Institute for Creative Arts and Technology (ICAT) Cube**

Moss Arts Center, Blacksburg

**Free, register by Monday, November 9**

**Limit: 25**

## INSTRUCTORS

David Carroll, instructor in the Geography Department, helped establish the meteorology program at Virginia Tech. He works with mobile weather-monitoring applications to study the near-storm environment of severe thunderstorms throughout the U.S. and cold-air damming events in the central Appalachians.



A recipient of the Governor's Award for Innovative Technology for storm-chase curriculum and a Sigma Xi Outstanding Math/Science Instructor, Carroll teaches courses in Applied Meteorology, severe weather, and field courses.

Dr. Laurence W. (Bill) Carstensen Jr. is professor and head of the Department of Geography at Virginia Tech, where he teaches courses in mapping and Geographic Information Systems (GIS) and does research in GIS.



Carstensen led the creation of the "tornado in the Cube" which attracted the attention of the Weather Channel's Jim Cantore. See the story about Cantore's visit and the tornado virtual reality experience by clicking on the links on the LLI Event page.



## How to Register

### ONLINE

You are strongly encouraged to register online through the LLI website maintained by Virginia Tech Continuing and Professional Education (CPE): [www.cpe.vt.edu/lifelonglearning](http://www.cpe.vt.edu/lifelonglearning). Each person must register individually by setting up a CPE account. [Please clear or refresh your browser before you enter a second registration from the same computer.] Register first for your LLI membership, then proceed to register on the subsequent screen for desired courses and special events, and make a secure payment by credit card. Most free special events also require registration. You will receive an automatic confirmation of your registration.

### PAPER REGISTRATION

Complete the paper registration form included in the printed catalog (or print the pdf form online). Mail the form with your check or credit card information to LLI Registrar, Continuing and Professional Education, Virginia Tech Mailcode 0272, 702 University City Blvd, Blacksburg, VA 24061. Paper registrations and checks/credit card information may also be dropped off at the CPE office weekdays between 9:00 a.m. and 5:00 p.m. Please do not send or deliver cash.



### ONSITE

Onsite registration for residents of Warm Hearth Village Retirement Center will be scheduled and advertised through the Warm Hearth newsletter. Onsite registration will also be available during the September 8 LivingWell@50+ conference at the Inn at Virginia Tech. You may also register in person during M-F, 9:00 a.m. – 5:00 p.m. beginning August 17 by going to the CPE Office, 702 University City Blvd, Blacksburg.

**NEED HELP?** Call the LLI Registrar at Continuing and Professional Education, 540-231-5182, ask for Tammy Stevers if available; Tammy's direct number is 540-231-1779.

Please note that some classes have limited seats available. Early registration and selection of a second choice course are recommended.

### INCLEMENT WEATHER

LLI will follow the Montgomery County Public Schools on cancellations and delayed openings/early closings for inclement weather. Delayed openings cancel LLI classes beginning prior to 11:00 a.m., while classes that start at 11:00 a.m. or later will be on the regular schedule.

### FEE WAIVERS

The Lifelong Learning Institute is committed to accessible and affordable educational opportunities for NRV residents. Requests for fee waivers should be addressed to the Membership Committee. Send your request to [lifelonglearning@vt.edu](mailto:lifelonglearning@vt.edu) or contact the LLI Office. All requests are confidential.



### **COURSE WAITING LIST**

If a desired course is full, your name will automatically be placed on the waiting list. If an opening occurs, wait-listed members will be contacted in order. Please do not attempt to join the class unless contacted.

### **GUESTS**

A non-member may attend a single class session as a guest if (1) the guest has never been a member of the LLI, (2) there is space in the classroom and (3) the instructor approves, preferably in advance. If the guest wishes to attend future classes, he or she will need to register through Virginia Tech Continuing and Professional Education.

### **TO ADD A COURSE**

If you are already registered for the term and wish to add another course, please call the CPE/LLI Registrar, Tammy Stevers, at 540-231-1779 for assistance. If the course is not full, it may be added to your schedule.

### **TO DROP A COURSE**

If you need to drop a course before it has begun, please notify the CPE Registrar so that we may fill your spot from the wait list.

### **REFUNDS**

Term membership fees are not refundable. Course refunds will not be issued after the first day of the term (October 5 for Fall term).

### **SCHEDULE CHANGES**

The LLI office and the CPE Registrar communicate all schedule changes and last-minute class cancellations by e-mail. Please check your e-mail regularly.

### **MAKEUP CLASSES**

If a makeup class is scheduled for a cancelled one, you will be notified of the date and time.

### **ACCOMMODATIONS**

If you are an individual with a disability and desire accommodation or you have questions about the physical access provided at a location, please contact the LLI office at 540-231-7266 or contact us by email at [lifelonglearning@vt.edu](mailto:lifelonglearning@vt.edu) at least 14 days in advance of the start of class or the event.





## Class Locations and Campus Parking Permits

Every attempt will be made to schedule LLI courses at convenient and accessible locations. A visitor's parking pass will be issued for those who need one if you register for classes and events scheduled on the Virginia Tech campus. Please be sure to check the box on your registration form if you need a parking pass in order to attend your class. (Virginia Tech retirees who have valid parking permits do not need special visitors' passes.)

For Fall 2015, LLI classes will be scheduled at the following facilities:

### Virginia Tech Public Safety Building

330 Sterrett Drive (off Southgate Drive, next to the Football Stadium); Building 190 on Virginia Tech map below; Classrooms 153 and 155

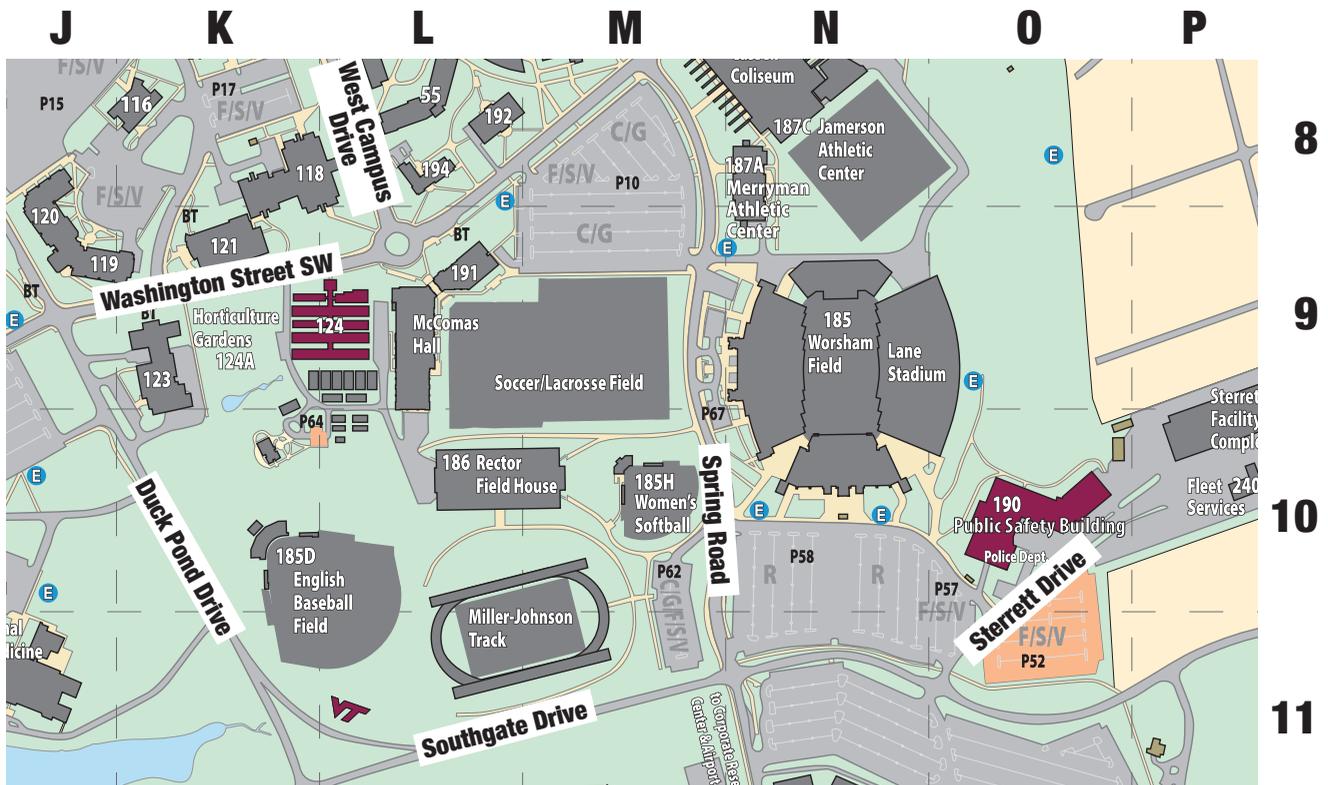
Parking available in Faculty/Staff/ Visitor lot P52; parking pass required. Handicap parking in front of the building.

### Virginia Tech Greenhouse Classroom

The Greenhouse classroom is in the small brick building on Washington Street, near the McComas traffic circle and adjacent to the Hahn Horticulture Gardens (see Facility 124 on Virginia Tech map below).

Visitor parking only available adjacent to Hahn Pavilion in the rear; visitor's pass required. Those with retiree or other Virginia Tech parking permits will need to park in other nearby lots (Coliseum (P10), P17, on Washington Street, or elsewhere).

### Virginia Tech Campus Map





### The Village Center, Warm Hearth Village Retirement Community

2387 Warm Hearth Drive, Blacksburg

Village Center Receptionist:  
(540) 443-3800

Directions to Warm Hearth:  
<http://www.retire.org/index.php/directions>



### Hillel at Virginia Tech

710 Tom's Creek Road, Blacksburg

Phone: (540) 951-5397

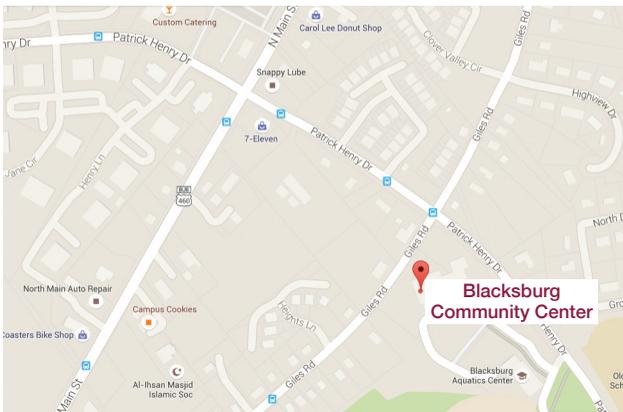
Parking available adjacent to building and also at the Lutheran Memorial Church.



### Blacksburg Community Center, Art Room

725 Patrick Henry Drive, Blacksburg

Phone: 540-961-1897

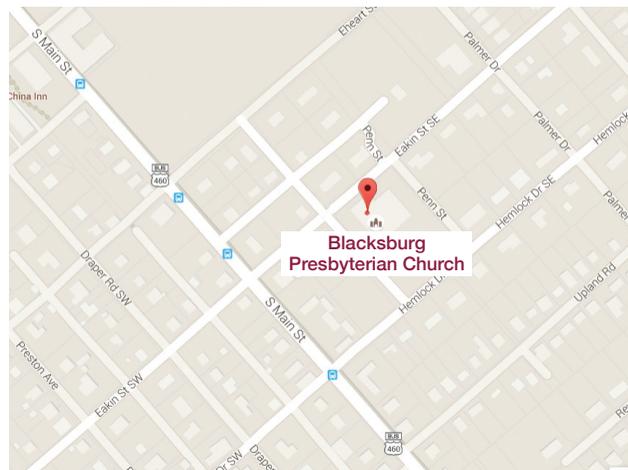


### Blacksburg Presbyterian Church

701 Church Street, S.E., Blacksburg

Phone: 540-552-2504

Closest access to Hatcher Conference Room is from Eakin Street entrance.



Some classes and special events or tours may be located on Virginia Tech's main campus in Blacksburg or at other facilities. Specific locations will be indicated in the course or event description.



## Volunteer

Like its many LLI counterparts across the country, the Lifelong Learning Institute at Virginia Tech cannot function without volunteers who are the heart, soul, and lifeblood of the organization, and the reason that fees can be kept low. We are a work in progress; help us be the best we can be. Please consider volunteering. Here are some ways to contribute:

### ON THE FACULTY

If you are interested in joining the LLI faculty, please see the LLI webpage and take a look at the Faculty Guide and course proposal form. We welcome your suggestions for courses, lectures, and programs. LLI instructors receive free one-term membership and free enrollment in one course.

### IN THE CLASSROOM

Class assistants arrive early, put up directional signs, greet members, take attendance, pass out visiting parking passes to those who need one, introduce the instructor, make sure the room is arranged as needed by the instructor and restored after class. Some instructors will also appreciate assistance with A/V or handouts. You can sign up to be a class assistant when you register for your classes. Training will be provided. Larger classes may have multiple assistants.

### ON A COMMITTEE

There are currently four LLI committees: Program (recruits instructors, develops or approves courses and special lectures and campus tours); Membership (recruits and supports members); Events and Social Committee (plans day trips, special events and social activities for members, including interest groups); and the Volunteer



Committee (recruits volunteers and trains as needed).

### IN THE OFFICE

The LLI Office in the Virginia Tech Public Safety Building will keep a schedule of regular, part-time hours with volunteer administrative staff who answer member or instructor calls, respond to questions, and make sure that programs run smoothly.

### OTHER

Can you help an instructor create powerpoint slides? Can you take photographs of LLI activities for use in publications or the website? Do you have good A/V or computer skills? Are you willing to coordinate an informal group of members with shared interests (books, movies, geology, learning technology, crafts, whatever...)

Please contact the LLI Office, or use the check off boxes on the registration form if you would like to volunteer. We welcome your involvement!

Registration Form

# Lifelong Learning Institute at Virginia Tech



Please print or type—complete a separate form for each participant

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Daytime Phone No. \_\_\_\_\_ Email \_\_\_\_\_

Signature \_\_\_\_\_

**Fall 2015 Membership Fee: \$20**

**Courses** *(Please indicate your First and Second choices for attendance.):*

- | 1st                      | 2nd                      |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Civil Rights Struggle in Virginia                            |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Reflections on the Union, Confederacy & the Civil War        |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Gardening 101  |
| <input type="checkbox"/> | <input type="checkbox"/> | \$30 VT CLASS Sampler   |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Rise and Fall of Arab Nationalism                            |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Tracing Your Family Genealogy                                |
| <input type="checkbox"/> | <input type="checkbox"/> | \$60 Basic Printmaking (includes \$35 materials fee)              |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Role of Inspiration in the Creative Process                  |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 The Problem of Marriage in Two English Novels                |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Memoir Writing: Turning Your Experience Into Art             |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Understanding Science in the News: Technological Innovations |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Watercolor - Just Do It!                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | \$25 Political/Editorial Cartoons as Political Discourse          |

**Special Events** *(There is no charge for the following events. Please indicate which events you plan to attend.):*

- Anthony de Mare Piano Talk, September 17, 1:30 – 3:00 p.m.
- Michael Friedlander Lecture, October 12, 3:00 – 4:30 p.m.
- Virginia Tech Carilion Research Institute Tour, Roanoke, October 27, 8:45 a.m. – 12:30 p.m.
- Smart Road Lecture/Tour, November 3, 3:00 – 5:00 p.m.
- Experiencing a Tornado and Living to Tell About It, November 13, 10:00 a.m. – 12:00 p.m.

**Membership fee:** \$20

**Course Fee(s):** \$ \_\_\_\_\_

**Total:** \$ \_\_\_\_\_

<b>Office Use</b>	Entered	AMT: _____
		CC/CHK#: _____
		DATE: _____

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**Continue registration on the back**

Name: \_\_\_\_\_



**Please indicate any committees that you would like to join:**

- Program
- Membership
- Events/Social
- Volunteers
- Serve as Class Assistant

A visitor's parking pass will be issued, if needed, when you register for classes and events scheduled on the Virginia Tech campus. (Virginia Tech retirees who have valid parking permits do not need special visitors' passes.)

Will you require a visitor parking pass for a Virginia Tech campus class?     Yes     No

Please list a local emergency contact:

Name: \_\_\_\_\_

Relationship: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Refund and Cancellation Policy**

Term membership fees are not refundable. Course refunds will not be issued after the first day of the term (October 5 for fall term). In the unlikely event that this program is cancelled or postponed due to insufficient enrollments or unforeseen circumstances, the university will fully apply registration fees to future courses. The university cannot be held responsible for any expenses, including cancellation or change charges assessed by airlines, hotels, travel agencies, or other organizations.

For weather or disaster-related program cancellation or postponement information, please call 540-231-9489.

Return with payment by **one week before course** (no staples, tape, or paper clips, please) to:

Conference Registrar  
Continuing and Professional Education  
Virginia Tech, Mail Code 0272  
702 University City Blvd.  
Blacksburg, VA 24061  
phone: 540/231-5182  
fax: 540/231-3306 (for credit card registrations only)

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*\*The information you provide is subject to the Freedom of Information Act guidelines.*

**Method of payment:** *Payment of registration fees is required prior to program attendance. Registration will be processed when payment is received.*

Check enclosed (Make payable to: Treasurer, Virginia Tech CE)

Credit Card:     Visa     MC     AmEx

*(Credit Card payment may be mailed, faxed, or given to registrar over the phone. No credit card information will be processed by voice mail or email.)*

Cardholder name \_\_\_\_\_

Cardholder signature \_\_\_\_\_ Date \_\_\_\_\_

Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

## AUDIT COLLEGE CLASSES FOR FREE

Did you know that Virginia residents 60+ can audit college classes at any of the public colleges in the region for free on a space available basis? Follow your passion to study a foreign language, philosophy, history, or any other college class. See the LLI website <http://www.cpe.vt.edu/lifelonglearning> for links to admissions and tuition waiver forms for regular college courses at Virginia Tech, Radford, New River Community College, or Virginia Western.

The Virginia Senior Citizens Higher Education Act allows Virginia residents who are 60 years of age or older to take college courses at public colleges and universities without paying tuition, subject to the admission requirements of the institution.

If your federal taxable income does not exceed \$15,000 per year, you may take courses for credit without paying tuition. Virginians with higher incomes may audit credit courses for no credit and pay no tuition. You may have to pay course fees, such as lab fees.

You do have to apply for admission. Colleges want you to be registered rather than making informal arrangements with instructors for record keeping and for accounting for people in an emergency.

To apply for admission, contact the admissions office of the college or university where you want to enroll. [See the links on the LLI website above.]

## PARTNERSHIPS MAKE US STRONGER!

Partnerships with Virginia Tech academic departments and with organizations in the NRV enrich our offerings, help us reach important audiences, and make the programs more affordable. LLI gratefully acknowledges the contributions of Virginia Tech faculty and research centers that are participating in fall courses and events, along with our special partners, the Center for the Arts, Warm Hearth Village Retirement Community, and AARP Blacksburg Chapter.



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