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BETZ OPHTHALMOLOGY

** New Address: 205 Bull Run Crossing • Lewisburg • 570-524-4473 • www.betzeye.com
Message from the Coordinator

Welcome to BILL! This is where you will stimulate your mind, meet and keep friends and learn the kinds of things you never knew you needed to know! We have an exemplary cadre of volunteer course leaders who bring their talents to us again and again, to whom we are most grateful. Sometimes I am asked why we don’t pay them. That’s a fair question but discounts the gift of volunteerism and the joy in teaching for its own sake which is why our leaders so enjoy their experience with us. As I write this little message a volunteer toils away in the office with me, and another comes on a semi-weekly basis. Aside from being great company it is more proof that staying engaged, active and operational is good for us all. It is our hope that you enjoy all that BILL has to offer, that you tell us how we can improve and grow, and that you will continue to support us.

Annel Smith

2018 Fall Course Catalog

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Our Mission

The Mission of the Bucknell Institute for Lifelong Learning is to engage enthusiastic learners from a wide range of educational backgrounds in creative and intellectual activities that expand their horizons, invigorate their minds, and stimulate curiosity and the joy of learning.

Members participate in courses, organize and lead study groups, and devise other educational opportunities that reflect Bucknell University’s commitment to liberal education. The goal of the Institute is to involve all participants in active learning, where ideas, interests, and life experiences are shared.

Online Registration opens August 13
Phone & Walk-in Registration opens August 14
As we get older, finding opportunities for self-discovery and continued growth can be more and more difficult. At Bucknell Institute for Lifelong Learning (BILL), every course, lecture or event is an avenue for intellectual enrichment and social connectivity where you can discover new interests, explore new directions and forge new relationships with fellow BILL members.

Whatever your prior educational experience, these programs are for you. All you need is curiosity and a willingness to learn, or even sometimes step outside of your comfort zone.

Join like-minded people in a relaxed, congenial setting where stimulating programs expose you to new ideas and interesting and sometimes challenging topics in short courses, study groups, lectures and culture events. Classes meet for three to six sessions, for one and a half to three hours per class.

Benefits of Membership

- Continued learning, growth and enrichment
- Exploration of new areas of interest
- Connections with new and interesting people
- Register for up to two courses per term
- Receive catalogs, on request, when they are available
- Receive invitations to special events, lectures, trips and activities
- Access to the Bucknell University’s Bertrand Library, containing a collection of nearly 900,000 volumes, as well as all online reference titles, databases and journals (must be in Library to access online services).
- Two end-of-term receptions, bus trips to art galleries and/or museums.
- Opportunities to exhibit your own artwork.

Fees & Payment Options

Membership Fees

- Yearly (Jan 1 - Dec 31) ......................... $55
- Half Year (Jul 1 - Dec 31) ....................... $35
- Lifetime Membership .......................... $500

Individual Course Fees

Course fees vary depending upon the number of sessions offered and are included with each individual course description. Course fee schedule is as follows:

- 6 Session Course ................................. $45
- 3 Session Course ................................. $35

Payment Options

Payments are preferred online with a credit card, however payment via check is accepted in person or by mail. We cannot accept credit cards in the office or over the phone.

Three Easy Ways to Register

1. JOIN or RENEW
   Visit us www.bucknell.edu/lifelonglearning

2. SEARCH and EXPLORE
   Search through our on-line listing of courses

3. SELECT and REGISTER
   Register via on-line registration or paper
Class Cancellation

Severe Weather and other Emergencies

Classes will be cancelled when the Lewisburg Area School District closes due to inclement weather. BILL classes will be held as scheduled when the school district is running on a delayed opening schedule. Be alert to the potential for mid-day cancellations and check information sources accordingly. Lewisburg Area SD Cancellation Postings:
- www.lasd.us
- WNEP or WYOU
- Radio WKOK

Cancellation by Course Leader

Participants will be notified by email or telephone if a class is cancelled. Make-up dates and times will be arranged on an individual class basis.

Special Presentations

Special Presentations will not be cancelled if a speaker is unable to meet his or her commitment. Instead, we will simply enjoy one another’s company and/or substitute another speaker when possible.

Schedule Subject to Change

BILL reserves the right to limit class size and to cancel classes if there is insufficient enrollment. Also, a specific class schedule may be altered due to unforeseen circumstances. See the minimum and maximum number of participants listed for each course described.

For the most up-to-date scheduling information, visit us online: www.bucknell.edu/lifelonglearning
September 12 | 3:30pm

Tea & Talk: The Advice Jefferson Never Received

with Lisa Ferrante Perrone
Adjunct Assistant Professor of Italian Studies, Bucknell University

In September of 1812, Filippo Mazzei, viticulturist, physician, and Italian patriot of the American Revolution, penned a response to a letter he had received the previous year from his friend of forty years, Thomas Jefferson. Sent from Pisa to Paris and destined for Monticello, the 1812 document never left Europe and was never catalogued as received by Jefferson. In June of 2015, while conducting research at an archive in Florence, Perrone uncovered the letter. Her talk explores the broader context of this letter, her connection to it, and traces its path from 1812 to 2015.

September 18 | 3:30pm

Tea & Talk: Making New Materials to Detect, Target & Treat Disease

with Brandon M. Vogel
Associate Professor of Chemical Engineering, Bucknell University

Vogel will discuss his research group’s efforts to develop new materials and devices to help detect, target and treat disease. His team is using chemistry to develop new plastics that slowly break down in the body. These plastics can be processed into controlled drug delivery devices by combining plastic and a drug to generate small particles through a process called impingement jets mixing. These particles need to be in the size range of 80 to 100 nanometers in diameter. Particle size and shape are both important for more useful drug delivery.

November 13 | 3:30pm

Tea & Talk: Understanding How Science Works

with Matthew H. Slater
Associate Professor of Philosophy, Bucknell University

What does it mean to be “scientifically literate” and how is scientific literacy related to the general public’s trust of science? Slater will discuss his ongoing research on science communication and how science is perceived by the public, especially when it comes to controversial issues like climate change and the safety of childhood vaccines.

December 6 | 12:00 pm

Lunch & Learn: When Water Turns to Rust, the Environmental Legacy of Coal Mining in PA

with Molly McGuire
Associate Professor of Chemistry, Bucknell University

Over 5000 miles of streams in Pennsylvania’s coal mining regions are affected by abandoned mine drainage (AMD), frequently resulting in the deposition of large amounts of orange iron oxides (“rust”) to the streambed. This presentation will explore some of the geochemical processes that control the fate of iron and other metal contaminants in AMD.
**MONDAY**

“If I Should Die Before I Wake...”: Exploring Our Mortality

Course # 340  Class Size: 5-18  
Mondays 10:00-11:30am  LOCATION: BILL Room #2 
September 24, October 1, 8, 15, 22, 29  

COURSE LEADER: Kerry Walters $45

The ancient philosopher Epictetus famously wrote that death-fear is irrational because “where death is, we are not; and where we are, death is not.” Yet this perfectly sound formula is hardly comforting. For most humans, death remains the primordial fear, or at least the mystery that haunts us. In this course, we’ll attempt to come to grips with death-anxiety by exploring philosophical and theological questions such as (but not limited to) What does it mean to die? What should my attitude to mortality be? How should knowledge of life’s fragility influence the way I live? Is death ever desirable? Does death rob life of meaning or infuse it with purpose? Is there post-mortem continuation? We’ll also spend some time with two memoirs and a short story about death and dying that will help flesh out our more abstract investigations.

**A Trip to Mitford...The Stories of Jan Karon**

Course # 341  Class Size: 6-20  
Mondays 12:30-2:00pm  LOCATION: PLUC 
September 24, October 1, 8, 15, 22, 29  

COURSE LEADER: Barbara Yorks $45

The course will focus on readings from bestselling author, Jan Karon. She has written 14 books relating the experiences of Father Tim and his friends in a delightful small town, Mitford. The stories offer humor, common sense, courage, faith and hope. Down to earth and full of vitality and warmth, the works provide a congenial view of life and an insightful commentary on human nature. Teaching style is: lecture and discussion and a guest speaker who will be doing a first person narrative for one of the classes. We will be reading four of the Mitford Series books: The Mitford Bedside Companion, At Home in Mitford, Home to Holly Springs, To Be Where You Are.

Sexual Harassment in the Workplace

Course # 342  Class Size: 7-14  
Mondays 1:00-3:00pm  LOCATION: BILL Room #1 
September 17, 24, October 1, 8 (4 week course)  

COURSE LEADER: Genie Gerdes $45

This course will address the “whys” of sexual harassment. We will focus on the workplace and will cover the most common form of sexual harassment, female victims and male perpetrators.

In four sessions, we will address these questions: What is sexual harassment and how common is it? Why do men sexually harass women? What makes women vulnerable and why don’t they report perpetrators? Why do organizations tolerate sexual harassment and how could they discourage it? An underlying theme in our discussions will be the power differential (that is, between powerful men and subordinate women).
The Short Fiction of Elizabeth Gaskell

**Course # 343**  
Class Size: 6-15  
Mondays 1:00 - 2:30pm  
LOCATION: BILL #1  
September 24, October 1, 8, 15, 22, 29

**COURSE LEADER: Nancy S. Weyant**  
$45

Interest in the writings of Elizabeth Cleghorn Gaskell increased in the last decade following the Masterpiece Theater broadcasting of her novels Cranford, North and South, and Wives and Daughters. After reading her first novel, Mary Barton, Charles Dickens wrote to her (addressing her, “my dear Scheherezade”), to propose that she contribute to his magazine, Household Words. She accepted his offer, publishing most of her subsequent novels serially in Dickens’s magazines. Mary Barton and her novel, North and South, firmly established her as one of the early authors of the “Condition of England” fiction documenting the impact of the industrial revolution on mid-19th Century England. Less well-known are her novellas and short stories. In these, she experimented with topics she avoided completely or touched on only slightly in her novels: violence against women, single parenthood, discrimination, the gothic, forgiveness, ghosts, and the “other”. In this course we will examine two of her novellas (Cousin Phillis and Lois the Witch) and a selection of her short stories (including “Libbie Marsh’s Three Eras”, “The Doom of the Griffiths”, “The Grey Woman”, “Old Nurse’s Tale”, “Crowley Castle”, “The Well of Pen Morpha” and “Mr. Harrison’s Confessions”). We will supplement the reading of the written texts with a viewing of the biographical profile film, Who the Dickens Is Mrs. Gaskell?

That’s Psychology? Therapy

**Course # 344**  
Class Size: 6-20  
Tuesdays 10:00am - Noon  
LOCATION: PDR  
September 25, October 2, 9 (3 week course)

**COURSE LEADER: Howard Berthold**  
$35

This term, we will survey several topics in the area of Therapy: Treating Psychological Disorders. Major types of therapy include Psychoanalysis, Psychodynamic, Humanistic, Behavior, Cognitive, Cognitive-Behavioral, Group and Family, and Biomedical. We will discuss the issue of effectiveness for various types of psychological disorders. As usual class time will involve not only the presentation of facts and principles, but also the opportunity to observe, experience, and discuss practical aspects of therapy. This is the 13th of a planned series of courses. The topics covered during each term are self contained. Participants do not need to have enrolled in prior semesters of the series. The formal class is two hours long, however the instructor is available for an additional 30 minutes to discuss and answer questions as well as provide supplemental material for those who wish to stay. In later terms we consider other topics in the major areas of psychology - the science of behavior and mental processes. It is hoped that participants will come to understand why people have found psychology so fascinating that they have chosen to devote the majority of their lives to studying it.

*Please note this is a 3 week course.*
Children’s Literature: Critical in this Age of Social Media

Course # 345                                Class Size: 6-15
Tuesdays 10:00am - Noon
September 25, October 2, 9, 16, 23, 30

LOCATION: Bill #1

This course will cover the various genres of children’s literature, how to choose and help children choose exceptional literature, the importance of reading aloud, how to read aloud effectively, diversity and life issues, banned books and some activities that family members can do with children and their books. Each week's session will involve the following: Casual talk to open the session; brief lecture and open discussion of topic of that week; opportunity to read and discuss children's books (course leader will supply most of them); interaction within group—reading aloud, 6 box graphic organizer, book brochure, author studies, etc. Closure—sharing of how the session went, what was learned, how it might be used in everyday life. The course will have a slightly feminist bent.

Spanish Language and Culture II: A Conversational Approach

Course # 346                                Class Size: 8-10
Tuesdays 10:00am - Noon
September 25, October 2, 9, 16, 23, 30

LOCATION: SRCR

This learning experience builds upon the course offered during the spring of 2018 in which topics of a cultural nature—music, history, poetry, and political movements—were discussed in conjunction with preliminary exploration of the Spanish language. Although Spanish is the primary language of instruction, interested students can succeed even if they have limited mastery of the language. Students who were not in the first course are welcome to enroll, provided that they have had some previous contact with the Spanish language, possibly in structured settings or through friends or travel. In this course, they will join a group of interested learners in a relaxed format that emphasizes the enjoyment of the Spanish language and its many cultural expressions. The course instructor also facilitates direct contact with Spanish speakers from this area and regional cultural events that complement the course goals.

Support This Community Effort

DONATE TO BILL

Your tax-deductible donation to the Bucknell Institute for Life Long Learning will provide resources to support financial assistance, special events, and courses, as well as staffing and other operating expenses. To make a donation, you can visit us online at www.bucknell.edu/LifeLongLearning, call the Bucknell Development Office at 570-577-3200, or indicate your donation on the registration form. If donating by check, please make it payable to Bucknell University, and note “Life-long Learning” in the memo line. Consider BILL via planned giving from a will or trust, from a retirement plan, stock and appreciated assets, or life insurance. Contact the Development office for more information. Thanks.
Thinking About Music: Musical Infants, Whistling Languages, and Other Intriguing Stories About Music and the Brain

Course # 347  Class Size: 10-14
Tuesdays 10:00 - 11:30am  LOCATION: BILL #1
September 25, October 2, 9, 16, 23, 30

COURSE LEADER: Lois Svard  $45

Everyone listens to and enjoys music. Why do we have such an affinity for music? The answer may come from research in multiple fields that suggests we are hard-wired for music as we are for language. This course will explore subjects such as the astonishing musical abilities of babies, the effect of music on Alzheimer’s patients, the ability of individuals with disabilities to adapt and make music, and the cognitive advantages of studying music to see how real-life examples support the research behind the theory of brain hard-wiring for music. This course is a repeat of the one offered in Spring 2018 with the addition of new research that has become available.

“Listening to and making music form strong connections in the brain. These are the same connections used to solve math problems.”

Watercolor Techniques

Course # 348  Class Size: 4-10
Tuesdays 10:00am - Noon  LOCATION: EBT
September 25, October 2, 9, 16, 23, 30

COURSE LEADER: Christine McKelvie  $45

Explore what watercolors can produce through experimenting with rubbing alcohol, salt, masking off areas and various other unusual techniques. Students will create visually interesting watercolor pieces with ease while learning what the medium can do. This course teaches ways to create traditional and abstract art using this forgiving medium.

YOUR GRANDKIDS ARE AMAZING!

Of course they are, and so are ours! Let’s prove it, by showcasing their framed, ready to hang art in our wonderful hallway gallery. Please bring the artwork to the office by August 9 for hanging. All sizes will fit but art must be framed and have attached wiring to be hung from the gallery system. Art will hang throughout the term, you may pick up your items on October 1.
Line Dancing: Its History, Physical Benefits & Practice

Course # 349  Class Size: 8-16
Tuesdays 1:00 - 4:00pm  LOCATION: EBT
September 25, October 2, 9, 16, 23

The course will provide a history of modern line dancing and instruction in line dancing of various genres. Studies have shown that dancing increases physical and social well-being, as well as mental acuity. In the initial class the course leader will present a history of dance forms including European folk dancing, early American folk dancing, contra-dancing, and western dancing that have led to modern line dancing in its various genres. A discussion of the physical, mental and psychological benefits of dancing will occur. In subsequent classes the leader will provide a brief history of the origins of different line dance genres and provide instruction and practice of sequenced dance steps. By the end of the course, students will have learned 4-6 dances and be able to dance them from memory and also understand their historical, social and cultural context. No dance experience is necessary and no partner is required. Students should wear comfortable clothing and smooth soled shoes.

COURSE LEADER: Pam Conner  $45

The Shocking Truth About Electricity

Course # 351  Class Size: 10-25
Tuesdays 1:00 - 2:30pm  LOCATION: Bill #1
September 25, October 2, 9, 16, 23, 30

Although we all use electricity, many of us have little understanding of its nature, capabilities, and limitations. This course will explain its principles in simple terms and define its commonly used measures, like voltage and current. Depending on the interests of the class, the course could deal with sources of electric power, power distribution, electric appliances and how they work, the relation between electricity and magnetism, and electronics. Considerable emphasis will be placed on electrical safety, why it can be dangerous, and how to recognize potential risks. Other topics can be covered to meet the expectations and curiosities of the class. Formality is not required, and members of the class should feel free to interrupt with questions.

COURSE LEADER: Samuel Craig  $45

Writing Through Memoir to Meaning

Course # 350  Class Size: 6-15
Tuesdays 1:00 - 2:30pm  LOCATION: Bill #2
September 25, October 2, 9, 16, 23, 30

Humans are a greedy species. One thing that we are most greedy for is story. We need and want the stories that help us to understand who we are, who and where we come from and what it means to be living the lives we happen to be living at the moment. Memoirs go a long way to fulfilling this need. This course is designed to provide an overall understanding of the memoir genre and to provide some of the practical skills and experiences in writing personal stories. We will explore why we want to write memoirs, how to begin the writing, how to look for themes and patterns in our writing and our lives and how to organize a memoir. This course will offer participants the opportunity to write their own memoirs, family stories and their meanings and how to organize them into a practical format.

COURSE LEADER: Rachael Hungerford  $45
Course listings and descriptions

**It’s All About Water: Investigating Water Issues at our Local Level**

Course # 353  
Class Size: 8-15

Initial Meeting Wed., Sept. 26 9:00am BILL #1  
Field trips thereafter

COURSE LEADER: Gerald Heckler  $45

“When the well is dry, we know the worth of water.” -Ben Franklin. Through six field trips, we will investigate and examine water quality issues facing the Middle Susquehanna Basin, and learn how local government agencies are tackling these challenges. These issues have huge and lasting impacts on our water quality and way of life. The following topics will be explored during our field trips, and active participation and discussions are encouraged.

- **Week 1:** Lycoming County Resource Management Services (Allenwood Landfill)
- **Week 2:** Stream Restoration and Agricultural Best Practice Management (Union County)
- **Week 3:** Milton Regional Sewer Authority (waste treatment)
- **Week 4:** Water Treatment Plant (Milton)
- **Week 5:** Acid Mine Remediation (Northumberland County)
- **Week 6:** Stream Study (sampling in local creek)

**WEDNESDAY**

**A History of American Food: Johnny Cakes to the Instant Pot**

Course # 352  
Class Size: 10-14

Wednesdays 10:30 - 12:30pm  
LOCATION: PDR

September 26, October 10, 17, 24, 31

November 14, 21

COURSE LEADER: Mary Zimmerman  $45

The class will look at the emergence of a uniquely and distinctly American cuisine by studying the intersection of new influences and conditions in the New World, including technology and health concerns. The course will also examine the training of home cooks and the resources available to them. Students will be asked to bring cookbooks to class and to consult on-line cookbook collections in order to examine how cooking has responded to different influences, such as the invention of the gas and electric stove and historical conditions, such as rationing during World War II. The final class will be devoted to the modern influence of restaurant cooking on home cooking. Class will proceed through a mixture of lecture and discussion. There may be occasional optional field trips to local restaurants after the class, as well as the option for students to cook some of the recipes at home and bring the results to class.
Looking Through the Artist’s Eye

Course # 354  Class Size: 10-20
Wednesdays 1:00 - 2:30pm  LOCATION: BILL #2
September 26, October 3, 10, 17, 24, 31

COURSE LEADER: David Lightman  $45

We are moved by the visual and emotional experience of a great work of art. Wrapped up in this experience is a complex process involving the interaction of our eyes, visual pathways, and brains. In this course we will look at how normal ocular function influences not only the artist’s creation but the viewer’s perception of art, too. (For example, the colored dots in Seurat’s pointillism paintings blend to form different colors at certain viewing distances.) Then we’ll take it one step farther and consider how certain eye conditions (cataracts, macular degeneration, astigmatism, etc.) have greatly affected artists’ choice in color, composition, and form. We will see how various artists’ unique eye diseases (Monet, Cassatt, O’Keefe, Degas, and others) affected their works. As it is important to understand how eye disease changes our vision, the course will begin with a brief overview of the eye and visual system. We hope you will leave this course with greater insight and understanding of how the artist’s eye shapes the world of art.

The Lure of Sherlock Holmes

Course # 356  Class Size: 5-20
Wednesdays 1:00 - 2:30pm  LOCATION: SRCR
September 26, October 3, 10, 17, 24, 31

COURSE LEADER: LuAnn O’Connell  $45

Why is Sherlock Holmes, “the man who never lived and never will die” the most recognized figure world-wide and, according to the Guinness Book of World Records, “the most-portrayed movie character” by more than 70 actors in over 200 films? We’ll ponder this question as we explore the wide-ranging world of Sherlock Holmes such as: the history of detective literature; Sir Arthur Conan Doyle and his inspiration; iconic characters, locations and items; psychology and forensics, TV & movie depictions; pastiches; fandom. Each week we’ll discuss at least one of Doyle’s Sherlock Holmes stories including its literary merits, and share observations on clips from movies and TV shows. Field trips to LuAnn’s Sherlock Holmes’ 221B study evocation, and to Denny Dobry’s more complete recreation in Reading, are planned outside of class times.

Research in the News:
Being a Good Research Consumer

Course # 355  Class Size: 6-16
Wednesdays 1:00 - 2:30pm  LOCATION: BILL #1
September 26, October 3, 10, 17, 24, 31

COURSE LEADER: Katharyn E. K. Nottis  $45

The focus of this course is on helping consumers make more informed decisions about all the research that comes into their lives. We are bombarded on a daily basis with research about the foods we eat, the treatments we use for illnesses, and how we learn. Is coffee good or bad for us? It is important for us to be able to access, understand, and evaluate these findings so we can distinguish between legitimate research claims and conclusions, and unfounded ones. This class will include some basic background about differing kinds of research, explain what terms like “statistically significant” and “peer reviewed” actually mean, and provide questions that need to be asked when evaluating research claims. Contemporary topics from current research in popular media sources will be included in every class.
**Irishness, Womanhood, and Poetry**

**Course # 358**  
Class Size: 5-12  
**Thursdays 10:00 - 11:30am**  
**LOCATION:** BILL #1  
September 27, October 4, 11, 18, 25

**COURSE LEADER:** Susan Bowers  
$45

When Eavan Boland, now recognized as “one of the finest and boldest poets of the [20th] century, began writing poetry, she found that Irish poetry did not embrace the lives of women. Staying up all night with a sick child or reflecting on the mother-daughter relationship simply was not the stuff of poetry. But today Boland is credited with changing the map of Irish poetry and opening a door for Irish women poets. Her poems document her journey from marginalization to forging an inclusive poetry that addresses the complexities of Irish culture and history. Boland’s poems are a pleasure to read: both accessible and relevant to the lives of readers both female and male, Irish or not.

**Fossil Precursors of Modern Humans**

**Course # 359**  
Class Size: 10-14  
**Thursdays 10:00am - noon**  
**LOCATION:** SRCR  
October 18, 25, November 1, 8 (4 week course)

**COURSE LEADER:** Tom Greaves  
$45

In six class meetings we’ll get acquainted with the progenitors of modern humans, starting with the earliest known traces after the ancestral line separates from that of the apes and other primates 6 to 7 million years ago. It then moves through a diverse, all-African group called Australopiths (“Lucy” is one of these), and then the early members of the genus Homo, including Homo erectus, found in Africa, Europe and Asia. Our coverage continues as these are replaced by more modern, though diverse, Homo sapiens and their prominent variant, the Neanderthals. Much of the most recent research deals with the spread of modern humans from their origins in Africa into Asia, Europe, the far east, and into the Americas. Along the way we’ll examine the strengths and weaknesses of current methods of dating and linking fossils, and the major open questions currently under debate.
National Theatre Live!: A Course

Course # 360  
Class Size: 7-16

Thursdays 10:00 - 11:30am  
LOCATION: BILL #2

September 27, October 4, 11, 18, 25
November 1

COURSE LEADER: Jean Shackelford  
$45

This class is linked to a series of National Theatre Live screenings scheduled at the Campus Theatre in Lewisburg from late September through early November. We will consider and discuss the stories these plays tell. The stories are contemporary and historical often combining intellectual, political, scientific or social commentary.

From the timeless language of Shakespeare to modern playwrights we will explore ideas or aspects of the human condition brought to life by world-class actors engaging us in trials, tribulations, torments, and misfortune of tragedy, or in the comic delight of carefully choreographed spoofs. Class sessions will include a few lectures about the productions, as well the multitude of aspects that are brought together in the production including design, staging, music, choreography and acting. The primary focus of the course will be on class discussion of the screenings. Encores screenings that will be scheduled include: “A Curious Incident of the Dog in the Nighttime,” “Young Marx” (a comedy), “Julius Caesar” (with Ben Whishaw as Brutus), and “King Lear” (with Ian McKellen as Lear). Others may follow.

American Foreign Policy 2018

Course # 361  
Class Size: 6-18

Thursdays 1:00 - 3:00pm  
LOCATION: PLUC

September 27, October 4, 11, 18, 25
November 1, 8

COURSE LEADER: Tom Travis  
$45

The course will examine current, often controversial, world events and issues related to US foreign policy. The main topics, based on the Great Decisions 2018 booklet of the Foreign Policy Association, are: The waning of Pax America, Russia’s foreign policy, China’s geopolitics, media and foreign policy, Turkey: partner in crisis, US global military engagement, South Africa’s fragile democracy, and global health issues. Other topics will include recent developments in Syria, Iran and North Korea, and other problems that might arise in late 2018. Each two hour class will cover one or two of these topics over a seven weeks period. The teaching style will be interactive, with little lecture, and an emphasis on class discussion and debate. Students should immediately order the Great Decisions 2018 booklet from fpa.org. Students should also read the updates on each topic and articles suggested on the updates listed on the fpa website. The course leader will sometimes email relevant articles from the New York Times to students on each topic.
Water and Steel: Part of PA’s Technological History

Course # 362  
Class Size: 6-16  
Thursdays 10:00 - 11:30am  
LOCATION: UCGC  
September 20, October 4, 11, 18, 25  
November 1

COURSE LEADER: Tom Rich  
$45

There were many factors in the rise of Pennsylvania’s 19th Century economy that placed it among the largest in the world. Two of them were the development of the iron and steel industry and the building of the canal system. This course will focus upon the underlying workings of these two technologies and some of the people that influenced their developments. Finally, the course will endeavor to explore the ways that people interacted with these technologies in their work and their play. The modern probing of early technologies is encompassed in the field known as industrial archaeology.

One component covered in this course will be techniques for analyzing historical images as a means for gaining an understanding of past technological implementation and its impact on society. Another aspect of industrial archaeology is the study of what physical evidence remains at their former sites. The course will include recent photographs of both the remains of iron works and canal structures that may be seen around the state and what they reveal.

Russian Literature and Music

Course # 363  
Class Size: 12-25  
Thursdays 1:00 - 3:00pm  
LOCATION: St. John’s  
September 27, October 4, 11, 18, 25  
November 1

COURSE LEADER: Gary Boerckel  
$45

Nicholas Rzhevsky’s An Anthology of Russian Literature [2005] provides stories, plays, poems, and excerpts of novels from the 12th century Tale of Igor to classics by Pushkin, Gogol, Tolstoy, Dostoevsky, and Chekhov as well as writers from the Soviet era. The class will read in advance and listen in class to music of the period or music composed the illustrate the literature we have just read. The range of musical works will be as broad as the literature, beginning with Russian Orthodox chant and including Glinka, Tchaikovsky, Mussorgsky, Prokofiev, Shostakovich and Schnittke. The teaching format is lecture, with questions welcome.

Online Registration opens August 13  
Phone & Walk-in Registration opens August 14
Truth and Diversions in the Swing Age of Doubt: Documentary Film II

Course # 364                                                   Class Size: 5-10
Thursdays 1:00 - 4:00pm                                         LOCATION: BILL #1
September 27, October 4, 11, 18, 25
November 1

COURSE LEADER: David Coryell                                     $45

Much as it has been our tendency to believe in an unstated covenant of trust between the documentary filmmaker and audience, the thoughtful filmgoer must be advised that all non-fiction films are narrative arrangements put together by an artful editorial presence that wishes to take a stand. One reasonable definition for gripping documentary film is that the filmmaker draws back the curtain on a situation of some burning or more subtle resonance to society so that the public, if it chooses, may become more informed and therefore, so the theory goes, duly inclined to comment on or take up civic arms in revolt or in support of a just cause. The trick, of course, is to reach across the aisle and convert the opposition. During this twittering swing age of “weaponizing” truth and left wing “fake news” and spinning patriotism into a false equivalence of pledges and inflated crowd size, it seems a refresher in schooling with facts might be just what the doctor ordered. In this class we will see several films that made a difference in our culture and there will be time to exchange views for mutual advantages through listening.

It should be noted too that the subject matter and some footage in a couple films is troubling; these are mature films on mature subjects to be viewed and discussed in a mature manner. In fact, in a film promoting a deep appreciation of the Alaskan wilderness, the eponymous narrator is eaten off-camera in the end.

The films we will screen are:
- Paradise Lost, 1996
- Thin Blue Line, 1998
- American Movie, 1999
- Bowling for Columbine, 2002
- Grizzly Man, 2005
- Blackfish, 2013

What Do Biologists Do? (Mucking About in Biology)

Course # 365                                                   Class Size: 6-12
Initial Meeting Wednesday, Sept. 20 10:00am
Field trips thereafter

COURSE LEADER: Russ Wells                                     $45

Biology impacts our lives every day and in many ways; some about which you may never have thought. This course is your opportunity to visit places where biology is being practiced by biologists and learn about these professionals and how they apply their training in their everyday “work.” Below is a listing of the six Thursday field trips. Before signing up for the course, carefully read the course requirements found on the BILL website (address at the bottom of the page). The site visit schedule is:

- Sept. 20: 10:30am | BILL office classroom. Pre-trip organization meeting
- Sept. 27: Bald Eagle State Forest Dist. Headquarters and forestry management trail, Millmont.
- Oct. 4: Furmano’s, Northumberland
- Spyglass Ridge Winery, Sunbury
- Three Beards Brewery, Sunbury
- Oct. 11: Benner Springs Fish Hatchery, St. College
- Oct. 18: Mahantongo Game Farms, Dalmatia.
Howard Berthold is professor emeritus of psychology at Lycoming College, where he taught for 35 years. He supervised over 1500 independent research projects by undergraduates and has also served as a consultant in the field of Industrial/Organizational Psychology.

Gary Boerckel taught piano and music history at Lycoming College from 1979-2015. He was the musical director of more than twenty operas, operettas and musicals for Lycoming, and in collaboration with the Williamsport Symphony Orchestra. For the last ten years he has been the host of “Music to My Ears” on WVIA-FM.

Susan Bowers has a Ph.D. in English literature and taught for 32 years at Susquehanna University before retiring recently. Her scholarly specializations are 20th and 21st century British and Irish literature.

Pam Conner holds a B.S. Marketing, Philadelphia College of Textiles & Sciences. The leader has long experience as a line dancer and dance instructor and is an award winning choreographer. She is knowledgeable about the history of folk and line dancing and familiar with its health benefits.

David Coryell received a master’s degree in English from Mansfield University and in fiction writing from the University of Virginia. For many years he was an adjunct faculty member in the Department of TV, Radio and Film of the Newhouse School of Journalism, Syracuse University. At Newhouse he taught courses in screen-writing, film-making, film noire, and documentary film.

Samuel Craig received a BS, MS, and PhD in electrical engineering at Carnegie Mellon University. After several positions in industry and private consulting, he was given the opportunity to teach electrical engineering at Bucknell as well as a few semesters in Physics and in the school of management. He has a broad background in engineering principles as well as practical experience.

Eugenia (Genie) Gerdes At the beginning of her career at Bucknell University, Genie Gerdes taught social psychology and psychology of women; at the end of her career, she taught interdisciplinary courses on higher education and on women and leadership. In between, she was Dean of Arts & Sciences for 18 years. Her scholarship focused on women in traditionally male work roles and leadership positions, particularly on discrimination and sources of stress.

Gerald Heckler is a recently retired environmental science middle school teacher. Additionally, he was the director of his school’s outdoor education program, and taught PDE graduate environmental science classes as well. All of these experiences have been interwoven into his lifelong love of natural history and earth sciences.

Tom Greaves is a retired Bucknell professor of Anthropology who maintains an interest in the always expanding field of fossil hominid discoveries.

Rachael Hungerford is a retired professor of English at Lycoming College, whose doctoral dissertation was in early literacy and pre-schoolers’ responses to literature. At Lycoming she taught methods courses - reading, social studies, language arts and children’s literature. She would welcome the opportunity to share her passion for children’s books in the BILL setting.

David Lightman is an ophthalmologist specializing in diseases and surgery of the vitreous and retina. He has practiced in the region for over 30 years. He tells us “I have had a lifelong interest in art. After becoming an eye doctor I became fascinated with the connection between the eye and the artist.”

Leona Martin, Professor Emerita of Spanish, taught all levels of Spanish at Susquehanna University, where she founded and directed for many years the university’s Annual Latino Symposium. Her nationally recognized Service-Learning courses expanded classroom spaces to the surrounding region and beyond. For several decades, as a volunteer with PVS (Prisoner Visitation and Support), she has interacted with Spanish-speaking inmates at the Lewisburg Penitentiary. She has lived for extended periods of time in Spain, Colombia and Mexico.

Christine McKelvie has studied art, design, and photography in both the fine art and commercial areas. Chris has twenty-five years experience in a vast array of techniques and mediums.

Katharyn Nottis is Professor Emerita in Education at Bucknell University where she taught a course in educational research for many years. She enjoys critically analyzing research claims. She received her PhD in Educational Psychology from the State University of New York at Buffalo where she majored in learning and assessment.

LuAnn O’Connell is a spiritual director and retreat leader who homeschooled her children K-12, and taught middle and high school literature at a homeschool co-op. She has degrees in Economics and Public Policy Analysis from the University of Rochester. A long time Nancy Drew and Sherlock Holmes fan, she created an evocation of Holmes’ 221B study in her home and reads nearly 100 books a year.

Tom Rich retired from Bucknell several years ago after teaching mechanical engineering for 30 years. He served as dean of the engineering college for eleven of those years and held the Rooke Chair in the Historical and Social Context of Engineering. He has conducted historical re-
search on the industries of Pennsylvania including summer work with the Pennsylvania Historical and Museum Commission. He has offered past BILL courses on Union County gristmill history and historical technological failures.

Jean Shackelford’s experience with theatre began at a young age and continues. Her major in college was economics, yet she earned entry into both the theatre and economics honor societies. Her interest continues as an avid theatre attendee and she has honed skills in assessing costume, set and lighting design through reading, discussions, and attending plays – over 100 of them at the National Theatre in London. She was active in bringing NTLive productions to the Campus Theatre in Lewisburg.

Lois Svard, pianist and professor of music emerita at Bucknell University, has performed throughout the U.S. and in Europe. She is fascinated by and has studied the applications of neuroscience discoveries for the study and performance of music and writes and lectures extensively on music and the brain from the musician’s point of view.

Tom Travis is a Professor Emeritus of International Relations and Political Science at Bucknell University Tom taught courses in international relations there for 33 years. He has also lectured and taught in India, Pakistan, Uganda and Russia and has traveled to 109 countries.

Barbara Yorks is a graduate of Bucknell University as an English major. Barbara teaches courses on women and literature for BILL.

Kerry Walters is a retired philosophy professor and the author/editor of 41 books. Several of them, most notably “The Art of Dying and Living” (2011) offer philosophical and theological analyses of death and dying. He also writes “Faith Matters,” a fortnightly newspaper column.

Russ Wells is Professor Emeritus/Biology from St. Lawrence University. His teaching responsibilities included a two semester General Biology course. Russ’s research interest are applied physiology and sports medicine. He received his PhD, from Purdue University.

Nancy Weyant is a retired reference librarian. In addition to her MSLS, she has an MA in English Literature and an MA in Art History. She has published extensively on Gaskell and has participated in international conferences on this Victorian author.

Mary Zimmerman received her BA from Carelton College, and MA from Vanderbilt University. Mary has taught various courses including women’s studies for over 30 years at Northern Virginia Community College.

Interested in leading a course? Contact BILL Coordinator, Annie Smith: aps013@bucknell.edu or call 570-522-0105

VOLUNTEERS ARE THE HEART OF BILL
Many of our volunteers serve in more than one capacity, such as leading a course and being part of a committee. Some volunteers pitch in with short-term needs such as delivering catalogs or stuffing envelopes. Volunteers contribute to the vibrant organization that BILL has become, and it could not happen without this kind of participation.

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Class Locations

BILL Office & Conference Rooms
115 Farley Circle | Suite 111 | Lewisburg
Start at the intersection of PA Route 45 and US Route 15 in Lewisburg. Drive west on PA Route 45 for 1.1 miles, then turn right (north) on to Reitz Blvd. (into Brookpark Farm). Drive .5 miles, (past the library) make the last right into the Spring Run Professional Park. The office is located to the left, between the two Advanced Skin Care salons. Look for the yellow sign on the building.

East Buffalo Township Municipal Building
589 Fairground Road | Lewisburg
From the intersection of US 15 and PA 45 in Lewisburg, drive west on PA 45 for 0.9 miles to the second traffic light. Turn right on to Fairground road and travel 0.2 miles - the Municipal Building will be on the left.

Spring Run Conference Room
115 Farley Circle | Lewisburg
Start at the intersection of PA Route 45 and US Route 15 in Lewisburg. Drive west on PA Route 45 for 1.1 miles, then turn right (north) on to Reitz Blvd. (into Brookpark Farm). Drive .5 miles, (past the library) make the last right into the Spring Run Professional Park. The Conference room is in the center building, which has a large “Spring Run” sign.

Public Library for Union County
225 Reitz Blvd. | Lewisburg
Start at the intersection of PA Route 45 and US Route 15 in Lewisburg. Drive west on PA Route 45 for 1.1 miles, then turn right (north) on to Reitz Blvd. (into Brookpark Farm). The Public Library for Union County is 0.4 miles ahead on the left. Parking is adjacent to the building.

Special Presentation Location:
The Village Common
6 Tressler Blvd. | Lewisburg
Start at the intersection of PA Route 45 and US Route 15 in Lewisburg. Drive west on PA Route 45 for 1.1 miles, then turn right (north) on to Reitz Blvd. (into Brookpark Farm). Drive 0.6 mile, then turn left onto Tressler Blvd. After the turn, The Village Common is directly ahead. Parking is available in the front of the building. For more information on Tea & Talk and Lunch & Learn presentations, see page 6.

St. John’s United Church of Christ
Rt. 192, 1050 Buffalo Road | Lewisburg
At the intersection of the south bound lane of Route 15 with Buffalo Road, turn right onto Buffalo Road. Travel 1.5 miles and the church will be on your right.

RiverWoods Senior Living Community
270 Ridge Crest Circle | Lewisburg
Start at the intersection of PA Route 45 and US Route 15 in Lewisburg. Drive 1.5 miles north on US 15 (past Weis Markets). At the traffic light near Evangelical Hospital and McDonald’s, turn right (east) on to Ridge Rd. Take the first right onto Ridge Crest Circle and drive 0.3 miles through the parking area to a stop sign. Park in the lot directly ahead. Enter three-story Ridge Crest Building through the main entrance under the portico. Ask at the reception desk for directions to the Creative Arts Room or the Private Dining Room.

Union Country Government Center
155 North 15th Street | Lewisburg
Start at the intersection of PA Route 45 and US Route 15 in Lewisburg. Drive west on PA 45 for 0.4 mile, then turn right (north) on 15th Street. The Government Center is 0.2 mile ahead on the left.

Two copies of the BILL Membership & Course Registration application are provided to the right. Should you have any questions about your membership or how to register for a course, contact BILL Coordinator, Annie Smith at aps013@bucknell.edu or call 570-522-0105

LOCATION ABBREVIATIONS
BILL - Institute Office
EBT - East Buffalo Twp. Municipal Building
CAR - Riverwoods Creative Arts Room
SRCR - Spring Run Conference Room
PLUC - Public Library for Union County
St. John’s - St. John’s United Church of Christ
UCGC - Union County Government Center
MEMBERSHIP & COURSE REGISTRATION | FALL 2018

Name __________________________________________________
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COURSE REGISTRATION (register for up to two)

1. Course No. ____________________ $________
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If more than one person is registering from the same address, please submit separate forms, if using them, for each person. Payments may be combined.

Course Registration
Courses are filled, regardless of registration method, on a first-come, first-served basis until the starting date of the course. Some may be cancelled due to low enrollment. Members are encouraged to register early to avoid the risk of courses being filled or cancelled. Credit cards accepted only online; no telephone credit card registrations.

Photographs
Registering to become a member of this Institute gives us permission to use any photos that include you in our print or electronic publications. If you do not want us to use your photograph, please notify the photographer at the event.

Refund Policy
Course registration fees will be refunded if a request is made before the start of the first class, or if space in desired classes is unavailable. The membership fee is generally not refundable, but a refund or extension will be considered in cases where a member has not been able to enroll in courses.

Communications & Computer Use
If you supply an email address, we will use it to send news, calendars of events, newsletters, and invitations. If you do not have an email address, we will, as much as possible, use U.S. Mail to send the same information. If you do not have computer access, there are several at the Public Library system for Union County that are free to use. In addition, the BILL office has a computer for member use. If you do not currently have an email account, we can assist you with setting up a free account. Note: to ensure BILL emails do not go to your spam folder, make sure the following email address is recorded in your address book/contacts: lifelonglearning@bucknell.edu

From our friends at Susquehanna University

Susquehanna University

INSITUTE FOR LIFE LONG LEARNING - FALL 2018

A series of programs designed for senior community members who gather in the campus center on Wednesdays.

OCTOBER 3
James Hayney. Looking for Lincoln; A presentation from the life and work of Abraham Lincoln.

OCTOBER 17
Dr. Jonathan Green, 15th President of Susquehanna University.

OCTOBER 31
Dr. Lisa Perrone; Professor of Italian Language and Culture, Bucknell University. “The Advice Jefferson Never Received,” a story of documentary sleuthing.

NOVEMBER 14
Mary Beth Voda; “From Shoebox to Saltbox,” the story of the renovation of a house, with love (and how it changed the renovators in the process).

DECEMBER 5
The traditional program featuring a recital of piano music and choral compositions performed by one of Susquehanna University’s choral ensemble. 10:15-11am Social Time, 11-noon Presentation, Lunch served at Noon.

For more information contact herb@susqu.edu or call 570-372-4354

Do you have an idea for a bus trip?  
Is there a show you’d like to see?  
A museum you’d like to tour?  
An idea for a new course?  

Please, contact us and let’s discuss! 570-522-0105
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