

EXPERIENCE LAFAYETTE COLLEGE

SUNDAY 4-23-17

ACADEMIC EXPLORATION: PERIOD 1

10:45 AM

<p style="text-align: center;"><u>THE ARTS</u></p> <p style="text-align: center;"><i>A Snapshot of the Arts at Lafayette (students only)</i> Arts Faculty & Students</p> <p style="text-align: center;">Buck Hall, Weiss Theater (*Arts Campus)</p> <p>Professors in a variety of departments will provide a thorough look at the many opportunities for involvement in the world of the arts. Come see why this is such an exciting moment for the arts at Lafayette (e.g. Music, Theater, Film & Media Studies, Creative Writing, Art History & Studio Art).</p> <p><u>*Please see final page for details about reaching the arts campus</u></p>	<p style="text-align: center;"><u>BIOLOGY</u></p> <p style="text-align: center;"><i>Eye Muscle Movements In A Turtle: More Similar To A Rabbit Or To A Human?</i> Jim Dearworth, Associate Professor</p> <p style="text-align: center;">Kunkle 102</p> <p>Professor Dearworth will share results from his laboratory describing the actions by the superior oblique muscle in the eye of the turtle.</p>
<p style="text-align: center;"><u>CHEMISTRY</u></p> <p style="text-align: center;"><i>Coffee with Chemists</i> Roxy Swails, Dan Griffith & Melissa Galloway, Assistant Professors</p> <p style="text-align: center;">Hugel 302</p> <p>Come explore the opportunities available in the Chemistry Department. Talk to our students about their experiences in classes and research. Take a tour of the facilities and meet faculty mentors.</p>	<p style="text-align: center;"><u>COMPUTER SCIENCE</u></p> <p style="text-align: center;"><i>Seeing is Believing: Why Computers Cannot See (yet)</i> Amir Sadovnik, Assistant Professor</p> <p style="text-align: center;">Acopian Engineering Center 500</p> <p>Why can a 4 year old still perform many visual tasks better than the most advanced computer? In this talk we will examine why computer vision is such a challenging field by understanding some of the mechanisms humans use to see. We will also review some applications of computer vision in our daily life.</p>
<p style="text-align: center;"><u>ECONOMICS; INTERNATIONAL AFFAIRS</u></p> <p style="text-align: center;"><i>Are We Making the Poor Worse Off? An Economist's Approach to Poverty in the Developing World</i> David Stifel, Professor</p> <p style="text-align: center;">Oechsle Center for Global Education 107</p> <p>We will explore some of the intuitive and counter-intuitive issues related to poverty reduction policies in developing countries and how the donor community has helped, or hasn't helped. After this class, you may think differently about how we in the US work with developing countries and about how you can best help victims of humanitarian crises.</p>	<p style="text-align: center;"><u>ENGLISH</u></p> <p style="text-align: center;"><i>Oddities of English</i> Walter Wadiak, Assistant Professor</p> <p style="text-align: center;">Pardee 319</p> <p>Why is it "ye olde shoppe" and not "the olde shoppe"? Why do we say "nite" but write "knight"? A look at these unusual features of our language can tell us about English's past and may also provide clues for linguists who are trying to predict its future.</p>

<p style="text-align: center;"><u>FOREIGN LANGUAGES & LITERATURES</u></p> <p style="text-align: center;"><i>Knowing German Opens Doors</i> Margarete Lamb-Faffelberger, Professor and Director of the Max Kade Center for German Studies</p> <p style="text-align: center;">Max Kade Center for German Studies, Pardee 429</p> <p>If you like German food and German festivals and are interested in Germany's history and its role in the EU and on the world stage today, our German Studies program is for you. Whatever plans you may have for the future, knowledge of German will increase your options, at Lafayette College and beyond.</p>	<p style="text-align: center;"><u>FORENSICS & MOCK TRIAL</u></p> <p style="text-align: center;"><i>Lafayette Speech & Debate Showcase</i> Scott Placke & John Boyer Oechsle 224</p> <p>Lafayette's Speech and Debate Team will showcase student performances. These students have won awards at several tournaments including the Pennsylvania State Tournament and the National Speech Championships. These are exciting and vibrant performances from the world of collegiate speech and debate.</p>
<p style="text-align: center;"><u>GEOLOGY & ENVIRONMENTAL GEOSCIENCES</u></p> <p style="text-align: center;"><i>Mass Extinctions in the Ancient & Modern World</i> David Sunderlin, Associate Professor</p> <p style="text-align: center;">Van Wickle 105</p> <p>The rock and fossil records document the epic history of our planet over its 4.6 billion year long existence. Much has gone on in that time, but perhaps no events more shocking than the 5 mass extinctions. In this session we'll explore what we know about these past crises, and we'll think about our present one.</p>	<p style="text-align: center;"><u>MATH</u></p> <p style="text-align: center;"><i>The Mathematics of Baseball. An Introduction to Sabermetrics</i> Jeffrey Liebner, Assistant Professor</p> <p style="text-align: center;">Pardee 217</p> <p>Sabermetrics is the application of statistical analysis to data and records from sports, most typically baseball. In this session we will explore Markov models and how these probabilistic models are used to analyze various strategies in baseball.</p>
<p style="text-align: center;"><u>PHYSICS</u></p> <p style="text-align: center;"><i>Space, Time, and Gravitational Waves Around Black Holes and Pulsars</i> David Nice, Associate Professor</p> <p style="text-align: center;">Hugel 103</p> <p>Gravitational waves were detected for the first time earlier this year. The detection was made by LIGO interferometers, which measured gravitational waves produced by the collision of two black holes 1.3 billion light years away. The existence of gravitational waves is a prediction of Einstein's theory of general relativity. We will discuss (i) why classical laws of nature are not "good enough" and why relativity is needed, (ii) how to "think about space and gravity" in Einstein's theory of relativity, (iii) how time and space behave near a black hole, (iv) how this leads to gravitational waves, and (v) how research being undertaken at Lafayette, using radio telescope observations of pulsars, allow us to probe time and space near neutron stars and white dwarf stars, and gives us ways of measuring the influence of gravitational waves. This mini-class is partly based on material covered in Physics 130 and on ongoing research projects by myself and my EXCEL students.</p>	<p style="text-align: center;"><u>POLICY STUDIES</u></p> <p style="text-align: center;"><i>The Value Proposition Behind Snap Inc.</i> Mark Crain, William E. Simon Professor of Political Economy and Chair, Policy Studies</p> <p style="text-align: center;">Scott Hall Conference Room</p> <p>Snap Inc., parent of the disappearing-message app Snapchat, offers a case study into the elements of business strategy, key business success factors, and how one of today's most famous start-ups achieved a market value of \$25 billion. Professor Mark Crain and Policy Studies major Bridget Coffey '19 use Snap, Inc. to illustrate the power of interdisciplinary approaches to topics at the intersection of business, policy, and technology.</p>

RELIGIOUS STUDIES

Chicago's 1893 World's Parliament of Religions
Eric Ziolkowski, Helen. H. P. Manson Professor of Bible

Gendebien Room, Skillman Library

The First World's Parliament of Religions, held September 11-27, 1893 in Chicago in conjunction with that city's astonishingly successful Columbian Exposition, is said to mark the dawn of religious pluralism. Attended by some 150,000 people, the event involved close to 200 representatives, from all over the globe, of Buddhism, Christianity, Confucianism, Daoism, Hinduism, Islam, Jainism, Judaism, Zoroastrianism, as well as Theosophy, and some new religious movements. The Parliament is justifiably celebrated for having exposed many Gilded-Age Americans for the first time, and up close, to a number of non-Western religions, some of whose spokespersons stole the show from their Protestant Christian hosts.

ACADEMIC EXPLORATION: PERIOD 2

11:45 AM

ART

Art and Politics in 19th Century France
Robert Mattison, Marshall R. Metzgar Professor of Art History

Williams Arts Center 108

In the 19th century, French artists produced some of the most exciting and challenging art in Western history. This talk will examine some of the cultural, political and social challenges posed by the European avant-garde. This art is essential to understanding our modern era.

CHEMISTRY

Coffee with Chemists
Roxy Swails, Dan Griffith & Melissa Galloway, Assistant Professors

Hugel 302

Come explore the opportunities available in the Chemistry Department. Talk to our students about their experiences in classes and research. Take a tour of the facilities and meet faculty mentors.

ENGLISH

Humor Writing
Lee Upton, Francis A. March Professor of English & Writer in Residence

Pardee 320A

Humor Writing: a session in which we destroy one another's will to live. No, seriously: a session in which we discuss the value of humor writing and try out a few short writing exercises.

FILM AND MEDIA STUDIES

Ways of Looking
Katherine Groo, Assistant Professor

Buck Hall, Landis Cinema (*Arts Campus)

How do we look at images and each other? What are the powers and politics of looking, gazing, spectating? This presentation will explore what the act of looking is and the many different ways looking can mean.

***Please see final page for details about reaching the arts campus**

FOREIGN LANGUAGES & LITERATURES

Greek Myths: Then and Now
Markus Dubischar, Associate Professor

FOREIGN LANGUAGES & LITERATURE

Learning Chinese is fun!
Han Lou, Visiting Assistant Professor

<p style="text-align: center;">Pardee 421</p> <p>In this mini-class we will, first, focus on some myths related to Zeus, King of the Olympian Gods. We will discuss what these stories meant to the ancient world and what (perhaps surprising) relevance they have had in later times. Then, we will address a more general question: are there myths in our modern lives?</p>	<p style="text-align: center;">Pardee 401</p> <p>Many American students think learning Chinese is difficult, but that is not true! The Chinese language program at Lafayette has developed many different ways to make learning Chinese easy and fun. Welcome to drop by and experience the beauty and mystery of the Chinese language!</p>
<p style="text-align: center;"><u>GOVERNMENT AND LAW/ ASIAN STUDIES</u></p> <p style="text-align: center;"><i>The Nuclear Conundrum: Nuclear Weapons and Nuclear Energy in East Asia</i> Il Hyun Cho, Assistant Professor</p> <p style="text-align: center;">Kirby 104</p> <p>East Asia is the only region of the world where multiple tests of nuclear weapons and an increasing number of nuclear power plants coexist. This session will explore the current state of nuclear weapons programs in the region and the post-Fukushima politics of nuclear energy in China, Japan, and South Korea.</p>	<p style="text-align: center;"><u>INTERNATIONAL AFFAIRS AND GOVERNMENT & LAW</u></p> <p style="text-align: center;"><i>Architects for Change: Gender and Development</i> Hannah Stewart-Gambino, Professor</p> <p style="text-align: center;">Oechsle Center for Global Education 107</p> <p>The phrase "the face of poverty is female" is commonplace among development scholars and activists. Global statistics confirm that indicators of poverty, need, and marginalization are indeed gendered. Yet, for those who wish to be an architect for change, the challenges are myriad and complex. Professor Stewart-Gambino will provide an overview of the gendered face of global poverty, with an emphasis on both the multi-disciplinary nature of the issues and the differing paths of potential change.</p>
<p style="text-align: center;"><u>MUSIC</u></p> <p style="text-align: center;"><i>Jazz Music and the Collision of World Cultures in America</i> Skip Wilkins, Associate Professor</p> <p style="text-align: center;">Williams 214</p> <p>A conversation about elements of African, European, Native American, Caribbean, and Brazilian styles, which collide in America, leading to the development of Jazz and other popular styles.</p>	<p style="text-align: center;"><u>PSYCHOLOGY</u></p> <p style="text-align: center;"><i>Psychology and the Law: When Bad Things Happen in Court</i> John Shaw, Associate Professor and Department Head</p> <p style="text-align: center;">Oechsle 224</p> <p>Professor Shaw will draw on his experience as a trial attorney and psychology professor in exploring why eyewitnesses are sometimes incorrect, why innocent suspects sometimes confess to crimes they didn't do, and why juries sometimes convict innocent people.</p>
<p style="text-align: center;"><u>PSYCHOLOGY</u></p> <p style="text-align: center;"><i>High Risk Choices: Why is Living a Healthy Life So Hard?</i> Alan W. Childs, Professor</p> <p style="text-align: center;">Oechsle Hall 223</p> <p>Of the top ten leading causes of illness and death most are, at least in part, the result of behavior that we choose. This session will consider several surprising factors that can cause us to engage in unhealthy behavior. We will consider the biopsychosocial model of health, one that must be understood if we expect to improve the health, and health care, of our nation.</p>	<p style="text-align: center;"><u>THEATER</u></p> <p style="text-align: center;"><i>Making METAMORPHOSES: A Theater and Engineering Collaboration</i> Alexander Owens, Technical Director</p> <p style="text-align: center;">Weiss Theater (*Arts Campus)</p> <p>Go where few have gone before! Take a journey, step by step, through the collaborative process between Engineering and Theater that resulted in a swimming pool onstage in the Weiss Theater for the Theater Department's current production of METAMORPHOSES. Your guides are Theater Department Technical Director Alexander Owens and Stephanette Schwartz-Smith, Technical Coordinator of the Performance</p>

	<p>Series. Swim at your own peril. Lifeguard not on duty.</p> <p><u>*Please see final page for details about reaching the arts campus</u></p>
<p style="text-align: center;"><u>THEATER</u></p> <p style="text-align: center;"><i>Reading Visual Culture</i> Suzanne Westfall, Professor of Theater & English</p> <p style="text-align: center;">248 N 3rd Street (*Arts Campus) Media 2</p> <p>Our first books are picture books, but as we learn to read, the images disappear and our education focuses on reading and writing WORDS. Yet thousands of images surround us each day, and we are rarely taught how to read, analyze, or acknowledge as intellectual property the non-verbal modes of communication. Advertisers know this. Theater and Media artists know this. Most people who use visual images count on our inability to realize what they are doing to us. "Reading Visual Culture" teaches us to protect ourselves from such brainwashing.</p> <p><u>*Please see final page for details about reaching the arts campus</u></p>	

BEYOND THE CLASSROOM: PERIOD 2

11:45 AM

<p style="text-align: center;"><i>First Year Registration at a Glance</i> Brandon Morris, First-Year Class Dean</p> <p style="text-align: center;">Colton Chapel</p> <p>This session will provide attendees with information regarding the First Year Registration process, as well as the common course of study. Within the session guests will also receive information about the Advising & Co-Curricular Programs Office and what resources the office provides for students.</p>	<p style="text-align: center;"><i>Student Life at Lafayette, Straight from the Source</i></p> <p style="text-align: center;">Williams Center for the Arts Theater</p> <p>While there are many ways to learn about the culture and environment of a college, none are as powerful or as important as hearing from a variety of current students. This student panel session represents an opportunity to pose questions about academic and social life at Lafayette directly to the people living a Lafayette experience. Take this chance to deepen your understanding of what life at Lafayette is really like and what drives our students in the passionate pursuit of their learning.</p>
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<p style="text-align: center;">Fellowship Opportunities Office Hours Dr. Julia Goldberg, Associate Dean of Advising & Co-Curricular Programs</p> <p style="text-align: center;">Scott Hall First Floor</p> <p>Dr. Julia Goldberg works with students interested in prestigious national and international fellowships. She will be available to speak with students, parents and family members about the myriad opportunities to enhance the college experience while at Lafayette and afterwards. Many fellowships and scholarships are available to underclassmen as well as upperclassmen and recent graduates. Students who meet with Dr. Goldberg on different fellowship and scholarship opportunities typically will find that their writing has improved, they are able to better articulate their values and interests and are also rewarded by making contact with faculty across the campus who share similar interests. The mentorship they receive from faculty as well as the Fellowships Office is phenomenal and we hope you will stop by to meet with Dr. Goldberg to learn more about the resources and opportunities available to our students.</p>	<p style="text-align: center;">Broadening Perspectives on a Global Scale; Study Abroad at Lafayette Katie Brown, Interim Director of International & Off-Campus Education</p> <p style="text-align: center;">Hugel 103</p> <p>The Marquis de Lafayette, the College's namesake and one of the world's first global citizens, inspires Lafayette students to have vision for the much larger world beyond our hilltop. In the spirit of the Marquis, Lafayette students are bold in their explorations of the world and show great fortitude in understanding how they, and all that they represent, fit into the complexity of it. As members of the Lafayette Community, students enjoy life-changing moments to explore and truly immerse themselves in foreign cultures, whether for three weeks, four months, or a full year. Join Katie Brown, Interim Director of International & Off-campus Education, and a panel of students who have embraced an exciting range of global learning opportunities for a discussion on study abroad at Lafayette.</p>
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ACADEMIC EXPLORATION: PERIOD 3

1:45 PM

<p style="text-align: center;"><u>COMPUTER SCIENCE</u></p> <p style="text-align: center;"><i>Computers Everywhere: A Survival Guide For Your Digital Future</i> Jeffrey Pfaffmann, Associate Professor</p> <p style="text-align: center;">Acopian Engineering Center 500</p> <p>This is a talk about the history, present, and future of computers. Exploring what computers have done and what they will do, with an emphasis on your place among the machines.</p>	<p style="text-align: center;"><u>HISTORY</u></p> <p style="text-align: center;"><i>Jet Lag: An Unconventional Approach to Global History</i> Christopher J. Lee, Associate Professor</p> <p style="text-align: center;">Ramer History House 103</p> <p>What is jet lag, and what does it tell us about the modern world? This lecture, based on a forthcoming book, addresses the hidden history of jet lag and what it tells us about technological innovation, globalization, and the acceleration of contemporary life.</p>
<p style="text-align: center;"><u>MATHEMATICS</u></p> <p style="text-align: center;"><i>Why Mathematics is Important/ One Investment Example- Optimal Portfolio Choice</i> Qin Lu, Associate Professor</p> <p style="text-align: center;">Pardee 217</p> <p>In the talk, Qin Lu will show how "correlation", a Mathematical concept, is important in investment decisions.</p>	<p style="text-align: center;"><u>PSYCHOLOGY</u></p> <p style="text-align: center;"><i>Flashbulb Memories of Important Events</i> Jennifer Talarico, Associate Professor</p> <p style="text-align: center;">Oechsle 223</p> <p>Many people have long-lasting, detailed, confidently-held memory of how they heard about the attacks of Sept. 11, the Fukushima nuclear disaster, or other important events. For those who were directly or immediately affected, this phenomenon makes sense. But why do so many who were physically removed from the event still hold such vivid memories? And what is the nature of these memories compared to other memories? This presentation hopes to answer these and related questions.</p>

BEYOND THE CLASSROOM: PERIOD 3

1:45 PM

<p style="text-align: center;"><i>Health Professions Advising</i> Kenneth Haug, Associate Professor of Chemistry; Faculty Health Professions Advisor</p> <p style="text-align: center;">Hugel 103</p> <p>Whether you are interested in matriculating to medical, dental, optometry, podiatry or veterinary school, our Health Professions Advising Program offers workshops, guidance, and resources that enable students to plan for a future in these ever-changing health profession careers. Stop by this XLC session to learn more about our advising program and about the required coursework and experiences that Lafayette has to offer.</p>	<p style="text-align: center;"><i>Williams Arts Campus Tour</i></p> <p style="text-align: center;">Departing from Williams Center for the Arts</p> <p>The arts have always been a strength of our community but this is an especially exhilarating time to be connected with the arts at Lafayette. Explore the new and vast facilities the College has dedicated to the arts. The tour, which will provide a brief overview of Lafayette’s arts offerings, begins at the Williams Center for the Arts (#58 on your campus map) and highlights our newly emergent arts campus, at the bottom of College Hill. Your tour guide will shepherd you down the hill on a campus shuttle, so please arrive at the Williams Center for the Arts by 1:40 to ensure that you can connect with your tour guide in time. <u>See the final page of this packet for more details on reaching the arts campus.</u></p>
<p style="text-align: center;"><i>Engineering at Lafayette (Spans 3rd and 4th periods)</i></p> <p style="text-align: center;">Begins in the Allan P. Kirby Sports Center Arena</p> <p>Given the nexus of engineering and the liberal arts at Lafayette, our approach to engineering is distinct and powerful. In this ‘double period’ offering, investigate the depth and dynamism of Lafayette Engineering. The session begins in the Sports Center but from there will include a thorough immersion in the Acopian Engineering Center.</p>	<p style="text-align: center;"><i>Student Life at Lafayette, Straight from the Source</i></p> <p style="text-align: center;">Oechsle 224</p> <p>While there are many ways to learn about the culture and environment of a college, none are as powerful or as important as hearing from a variety of current students. This student panel session represents an opportunity to pose questions about academic and social life at Lafayette directly to the people living a Lafayette experience. Take this chance to deepen your understanding of what life at Lafayette is really like and what drives our students in the passionate pursuit of their learning.</p>

ACADEMIC EXPLORATION: PERIOD 4

2:45 PM

<p style="text-align: center;"><u>BIOLOGY</u></p> <p style="text-align: center;"><i>Animal Coloration and Ornamentation</i> Michael Butler, Assistant Professor</p> <p style="text-align: center;">Kunkel 102</p> <p>Animals use a wide variety of colors and shapes to get the attention of other animals. In this mini-course, we will examine the diversity of animal ornaments and discuss how and why animals go to so much trouble to look so good.</p>	<p style="text-align: center;"><u>BIOLOGY & NEUROSCIENCE</u></p> <p style="text-align: center;"><i>Zombies</i> Elaine Reynolds, Associate Professor</p> <p style="text-align: center;">Oechsle 224</p> <p>Zombies are interesting in historical, literary, cinematic, and sociological contexts. But in neuroscience, zombies represent a way to frame neurological problems and questions, such as location of functions within the brain and the role of the nervous system in sense of self.</p>
<p style="text-align: center;"><u>INTERNATIONAL AFFAIRS</u></p> <p style="text-align: center;"><i>How many Globalizations are in your teacup?</i> Caleb Gallemore, Assistant Professor</p> <p style="text-align: center;">Oechsle Center for Global Education 107</p> <p>We tend to think of globalization as one thing, something that</p>	<p style="text-align: center;"><u>MATHEMATICS</u></p> <p style="text-align: center;"><i>Mathematics and The Card Game SET®</i> Gary Gordon and Liz McMahan, Professors</p> <p style="text-align: center;">Pardee 217</p> <p>SET® is a card game played with a special deck. The game is</p>

has just started in the past few decades, but, really, what we now think of as globalization is really just the latest form of a much longer-term process. Taking the simple example of tea, we'll see how a single commodity actually has gone through many globalizations in its lifetime, all the way back to 600 AD.

deeply mathematical, and we will explore that math, with a special focus on geometry.

BEYOND THE CLASSROOM: PERIOD 4

2:45 PM

Engineering at Lafayette (Spans 3rd and 4th periods)

Begins in the Allan P. Kirby Sports Center Arena

Given the nexus of engineering and the liberal arts at Lafayette, our approach to engineering is distinct and powerful. In this 'double period' offering, investigate the depth and dynamism of Lafayette Engineering. The session begins in the Sports Center but from there will include a thorough immersion in the Acopian Engineering Center.

Creating Knowledge: Research, Mentorship & Scholarship @ Lafayette

Kirby Hall of Civil Rights 104

With professors who seek to engage, challenge and inspire, the academic experience at Lafayette is shaped by mentors and opportunities that compel students to absorb *AND* create knowledge. Hear directly from students who have benefitted from programs like *Excel Scholars*, and platforms like *Community Based Learning & Research* to bring originality, purpose and an exciting charge to their learning and research.

Arts Offerings on XLC

We are very fortunate at Lafayette to enjoy world class facilities and resources dedicated to the arts. Many of these spaces have been recently constructed or renovated as part of the College's commitment to the arts as a critical aspect of the Lafayette experience. We are excited to share these spaces with you as part of your time with us on XLC. Below is some important logistical information to help you understand our arts offerings and ensure that you are able to get the most out of the day.

The Snapshot of the Arts session in Period 1 (10:45) as well as the Arts Campus Tour in Period 3 (1:45) will depart from the **Williams Center for the Arts, #58 on your campus map**. This building is located on our main campus and is not to be confused with the Williams Visual Arts building, on the Arts Campus at the bottom of the hill. Please arrive at the Williams Center by 10:40am or 1:40pm to ensure that you can connect with your tour guide who will organize the group before boarding the shuttle to the arts campus. When the session or tour concludes, your tour guide will bring you back to the shuttle to return to the main campus.

If you did not attend the Snapshot of the Arts in Period 1 and you are attending one of the academic offerings on the arts campus during Period 2 (*Ways of Looking, Making METAMORPHOSES: A Theater & Engineering Collaboration, or Reading Visual Culture*), please arrive promptly at 11:35, at the Williams Center for the Arts, #58 on your campus map, to ensure that you can board the shuttle to the arts campus for your academic offering.