



2012

CELEBRATIONS of SCHOLARSHIP

FRIDAY

APRIL 27, 2012

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Welcome

"when barriers are removed from our imaginations we have unlimited potential"

Welcome to one of my favorite events at Millikin University-the Celebrations of Scholarship. This day, more than any other single event, reminds me that when barriers are removed from our imaginations we have unlimited potential. Theory applied in practice leads to unending discoveries in undiscovered territories through which our

students and faculty travel to new levels of confidence, performance, and achievement. In their work today, you see that powerful journey reach completion.



Barry Pearson
Vice President for Academic Affairs

Campus Map



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| 1 | SCO | ADM-Scovill Hall |
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See A10 for Friday's presentation schedule



COLLEGE OF ARTS & SCIENCES

See the products of our students' research and creativity

At Millikin University we believe in a simple but VERY IMPORTANT assumption—our students are capable of inquiry, discovery, creation, and application of newly acquired knowledge. This is true of first year students (as evident in today's Freshman Focus Presentations) and this is true of all of our students at every stage of their development as presented in the Poster Symposium, the HURF competition, and the many presentations of undergraduate research we celebrate today. Millikin students are not here to merely consume knowledge available. We are not interested in their ability to regurgitate facts and to pass multiple choice tests. Millikin students are here to be the makers, research collaborators and creative users of new knowledge.

In the Celebrations of Scholarship you have the opportunity to see the products of our students' research and creativity presented by the students themselves. You will see posters and presentations about research in the Natural Sciences such as field studies or health-related laboratory research. Come see what the physics and mathematics students are investigating in astronomy and quantum mechanics. Learn about Behavioral Sciences student research on the homeless. Find out the latest research findings from our ongoing Social Perception Research Project. Learn about the latest developments in professional communication studies. See what our English writing and literature majors have been doing with writing, editing,

publishing and critical reception of literary texts.

I invite you to join in the 2012 Celebrations of Scholarship where our students share the results of their research and creative work. Join me as we recognize the outstanding achievements of our students. Join me in the celebration of the creativity and thorough inquiry of students in the College of Arts & Sciences. Join in the fun learning. See you at the Celebrations of Scholarship!

Randy Brooks



Dr. Randy Brooks
Dean
College of Arts & Sciences

Behavioral Sciences

The Truths Behind the Stigma of Mental Illness

SH412

9:00 a.m.-10:00 a.m.

Presenter(s):

Heather Kuntzman, Jasmine Broadie, Bridget Bakke, Jade Anderson, Shannon Delgado, Whitney Schafman, Sian Wilson, Jacob Poshard, Kasey Hoogervorst

Abstract/Description:

Stigma of mental illness impacts everyone leading to lack of understanding, empathy and services. This presentation will focus on the impact of stigma as it relates to media, social networking, labeling, rehabilitation, education and changing views. Come learn what you can do to eliminate stigma of mental illness!

Rock Music Videos: The Impact of Female Artists Pairing Alcohol and Sex

SH412

10:20 a.m.-11:00 a.m.

Presenter(s):

Connie Gawlik, Jaimie Pantoja, Brittany Czaplicki, Miles Grimes, Dana Hunt

Faculty Sponsor(s):

Dr. Linda Collinsworth

Abstract/Description:

Historically, feminists have been critical of rock music videos because of misogynist themes that include sexual and physical violence against women. The videos have traditionally been directed, produced, and performed by men. A recent development in rock videos is the performance by female artists of videos that contains themes of sex, and videos with a combination of sex and alcohol. The impact on college students of female artists pairing alcohol and sex is examined in this study.

Experiential Living and Learning in Baltimore

SH412

11:00 a.m.-12:00 p.m.

Presenter(s):

Heather Kuntzman, Jade Anderson, Val Anderson, Kelsey Borchelt, Ryan Ferries, Carissa McCallister

Faculty Sponsor(s):

Mary Garrison

Abstract/Description:

Come join the Human Service Connection as we discuss and relive our alternative spring break in Baltimore, Maryland. This presentation will recount our experiential learning trip during which we gained more knowledge and a greater perspective of what our future careers may hold through how the field of human services looks and operates in a city and university other than our own. We will explore our experiences with the Howard County Office on Aging and will discuss topics ranging from health care to homelessness to the elderly.

Capstone and Advanced Internship Class Spring 2012

SH412

1:00 p.m.-2:00 p.m.

Presenter(s):

Emma Hayes, Andrew Nail, Heather Kuntzman, Jade Anderson, Jamie Kowalczyk, Katie Kirchner, Kristi Green, Lizzie Jenkins, Lewis Matthias, Megan Welton, Meghan Rakers, Ryan Ferries, Teri Fickes

Faculty Sponsor(s):

Kay White

Abstract/Description:

This presentation will present the different internship sites held by each member of the Spring 2012 Capstone

and Advanced Internship class in Human Services. The location of the site, the student's experiences, and the student's struggles will be presented in this hour long presentation.

Biology

Sequencing of the Spätzle gene in hermit crabs (Coenobita clypeatus): genomic DNA vs. RNA

LTSC001

8:00 a.m.-8:30 a.m.

Presenter(s):

Brittany Sherron

Faculty Sponsor(s):

Dr. Cynthia Handler, Dr. Samuel Galewsky

Abstract/Description:

Hermit crabs (*Coenobita clypeatus*) show a behavioral response indicating pain, but no connection has been made with a physiological molecular response. In *Drosophila melanogaster*, the Toll signaling pathway plays a role in the innate immune response and is functionally homologous to mammalian interleukin-1 receptor. Spätzle, an IL-1 homologue, is required for activation of the pathway. A portion of a spätzle-like gene in hermit crabs that shares 88% identity with the spätzle gene from Chinese shrimp (*Fenneropenaeus chinensis*). Reverse transcription PCR indicates that spätzle mRNA is present in hermit crab tissue. Preliminary results suggest that spätzle is induced in experimental tissues when compared to a control group. These results suggest that a cytokine-like gene is present in hermit crabs and is involved in an inflammation response that could indicate pain. Currently, we are aiming to determine the full-length spätzle gene sequence using manipulations of genomic DNA as well as RNA.

Are there forest characteristics that predict the abundance of periodical cicadas, *Magicicada* spp.?

LTSC001

8:30 a.m.-9:00 a.m.

Presenter(s):

Isabelle Jeffries

Faculty Sponsor(s):

Dr. Gregg Marcello

Abstract/Description:

Every 13 or 17 years periodical cicadas (*Magicicada* spp.) emerge from under the ground in order to lay their eggs in tree branches and then a few weeks later they die, this is the cycle of periodical cicadas. Each time these cicadas emerge they cause significant damage to trees due to oviposition on the branches that seems unpredictable. However, the question we ask is if this damage can be predicted due to the characteristics of the forest. During the emergence in the summer of 2011, we studied 4 different forest patches in Sand Creek and Rock Springs Conservation Areas, Macon County, IL. At each site we counted emergence holes at 10 different points on the edge and interior of each patch, then at each of these same points we measured the diameter at base height of each tree larger than 10 centimeters in diameter within a 5.5 meter distance within a half circle of the point and identified each of these trees. We also took vegetation and coarse woody debris scores at each point, as well as basal area factor at all points. Incorporating all of this information and prior research we are able to see that forest density definitely plays a role in the abundance of cicadas and possibly allows us to predict where periodical cicadas will emerge.

Operant conditioning via olfactory cues in immature house crickets, *Acheta domestica* (Orthoptera: Gryllidae)

LTSC001

9:00 a.m.-9:30 a.m.

Presenter(s):

Kathleen Campbell

Faculty Sponsor(s):

Dr. Marianne Robertson

Abstract/Description:

Learning using olfactory cues is known to be present in adult male and female house crickets. I am testing by the same manner in immature individuals.

Possible relationship between in vivo S-adenosyl-L-methionine hydrolase activity and quorum sensing in *Escherichia coli*

LTSC001

9:30 a.m.-10:00 a.m.

Presenter(s):

Grace Walworth

Faculty Sponsor(s):

Dr. Jeffrey Hughes

Abstract/Description:

Recent literature has documented the existence inter-bacterial communication molecules called autoinducers in the form of N-actyl homoserine lactones that mediate a process called quorum sensing. By using quorum sensing, bacteria are able to aggregate together to form a biofilm that allows them to perform activities that single cells cannot conduct. In previous work, cells transformed with an expression vector containing the coliphage T3 SAM hydrolase (SAMase) gene aggregated into clumps distributed throughout the medium. We have demonstrated that these do not appear related to capsule formation or entanglement of cell filaments, both of which are induced by SAMase expression. The biochemical pathways related to SAM production and SAMase activity could be responsible for high amounts of homoserine being internally rearranged into homoserine lactone being dumped into the medium and possibly serving as an autoinducer. Building off of previous work, *E. coli* was grown in the presence of homoserine lactone, optimal clumping conditions were determined, and various media was collected and assayed for the possible presence of autoinducing molecules. Should conditioned media induce cell clumping, efforts will be made to identify the molecules in the media responsible for cell clumping.

Health Care Approaches in Foreign Countries

LTSC209

10:00 a.m.-11:00 a.m.

Presenter(s):

IN 350-01: Global Approaches to Medicine & Health Care Class Presentations

Faculty Sponsor(s):

Dr. Jennifer Schultz-Norton

Abstract/Description:

The focus of this section of IN350 is to examine differences in how health care issues are approached from different cultural perspectives, with a focus upon both medical and monetary aspects of health care. As part of an independent research project, a close examination of the health care systems in ten countries outside of the United States has been performed. A comprehensive examination of the role of the government in determining the extent of health care provided to all constituents, the impact of insurance, the availability of health care, and the contribution of employers to health care coverage is presented. Careful consideration has also been given to the types of medicine available, the

impact of outside influences such as religion and personal values, specific diseases, and infant mortality rates found in these countries.

Escherichia coli killing ability of Illinois feeder birds

LTSC001

11:00 a.m.-11:30 a.m.

Presenter(s):

Madeline Knott

Faculty Sponsor(s):

Dr. Travis Wilcoxon

Abstract/Description:

In wild birds, little is known about the ability of various species to fight infection. A crucial part of any organisms' immune function is the quality of the diet. The immune function of three year-round resident Illinois species were assessed both before the presence of bird feeders and after the introduction of bird feeders. Innate immune function was measured based on the *E. coli* bacteria killing ability (BKA) of blood samples. There was a significant increase in BKA of birds captured of some species before feeders and after feeders were placed at sites which showed diet affects immune function.

The effects on local mammal populations when switching from a corn / soybean rotation to bio-mass agriculture

LTSC001

11:30 p.m.-12:00 p.m.

Presenter(s):

David D. Leimbach

Faculty Sponsor(s):

Dr. Gregg Marcello

Abstract/Description:

Upon switching from a corn / soybean agricultural rotation to the production of agricultural bio-mass, a previously unhabitable (urban) agricultural area saw a large upswing in the avian and mammal population. An observation and trapping period over the course of three months revealed a healthy, diverse population of inhabitants.

Communication

The Art of Knitting and Crocheting

SH420

9:15 a.m.-9:30 a.m.

Presenter(s):

Chloe' C. Mimms

Faculty Sponsor(s):

Brandon Hensley

Abstract/Description:

This was an assignment given in my public speaking course. It was known to be my persuasive speech. I recieved a 90% on this speech. The speech itself was going through the art of knitting and crocheting, which included history, styles, and personal experiences.

Performing London

SH420

10:00 a.m.-10:30 a.m.

Presenter(s):

Kai Adams, Ryan Andrews, Ryan Armstrong, Arielle Austin, Kyle Bennett, Caherine Colletta, Jane Davis, Brittany Falardeau, Amy Fehr, Andrew Frank, Christina Hicks, Natasha Leonard, Kimberly McClay, Michael Mulhearn, John O'Brien, Hilary Osiecki, Eric Pfaff

Faculty Sponsor(s):

Dr. Tom Duncanson

Abstract/Description:

A multi-media presentation from the students in the course "Performing London" during the Fall 2011 semester. The presentation looks at London as a stage and the people of London as actors in a socio-drama of commerce, politics, justice, and art.

Research in Public Participation in Environmental Advocacy

SH420

10:30 a.m.-11:30 a.m.

Presenter(s):

Lauren Acton, Megan Dyson, Elizabeth Eustice, Ryan Ferries, Christina Hicks, Kara Knazze, Alexandra Oremus, Brooke Paddock, Derrick Ponton, Efreem Spann, Ryan Tierney, Justin Walsh, Andrea Williams, Jillesa Willis, Keira Woods

Faculty Sponsor(s):

Dr. Tom Duncanson

Abstract/Description:

This panel of papers on contemporary environmental advocacy will consist of the following presentations: "Public Reaction Shaping the BP Oil Disaster Response" Eustice, et al "Publics and Counter-publics in the Bio-fuels Debate" Ferries, et al "Crisis Rhetoric after Fukushima" Oremus, et al "Public Participation in the Keystone Pipeline Controversy" Tierney, et al Communication, Theatre & Dance, and the Center for International Education

Phridays With Phil Talk Show

SH420

11:30 a.m.-12:00 p.m.

Presenter(s):

Phillip Armstrong, Claire Salata, Sidney Davis, Shelbi Baker, Jamie O'Halloran, Heather Bulthuis, Ryan Daykin, Ty Warden, Bryant Morrison

Faculty Sponsor(s):

Melinda Rueter

Abstract/Description:

A college talk show, tapping into the day to day life of a college student. Creating an open environment where students are able to discuss everyday life, social/political issues, and personal issues.

English

Student Publishing Enterprises

MAC Lab

8:00 a.m.-9:00 a.m.

Presenter(s):

Decaturian Staff, Collage Staff, Blue Satellite Staff, Bronze Man Books Staff

Faculty Sponsor(s):

Dr. Stephen Frech

Abstract/Description:

Millikin students showcase their writing and their editorial skills in a number of publishing efforts: The Decaturian--Millikin's student newspaper Collage--Millikin's literary and fine art magazine Blue Satellite--student-run letterpress poetry broadside printer Bronze Man Books--student-run book publisher This presentation will highlight the publications from the current year.

Major English Authors: From Pre-Romantics to the Post-colonialists

SCO213

10:30 a.m.-11:45 a.m.

Presenter(s):

Blanc Zozokos, Jacqueline Hollis, Jessica Knackstedt, Kendall Robison, Lindsey Compton, Amy Fehr

Faculty Sponsor(s):

Dr. Purna Banerjee

Abstract/Description:

These presentations will cover both a historical and thematic survey of British literary texts from just before 1800 to the present. During this

English
Continued from A1

period one of the major influences upon British identity formation was the historical, cultural, and material reality of the empire. Personal and national experiences of empire were, however, constantly mediated by cultural notions of race, gender, and class. These panel speakers will present papers that follow the thematic thread of British identity formed through the expansion, transformation, and degeneration of the Empire. The papers in the panel range from inquiring into the intersections of race, class, and gender with the effects of empire as well as the hallmarks of each of the major literary periods in the second half of the British canon (i.e., from the Pre-Romantics to the Post-colonialists).

Decaturian: A History of Change
Blackburn Hall
10:30 a.m.-11:00 a.m.

Presenter(s):
Lindsey Compton- Editor-in-Chief, Margaret Eby- Senior Editor, Amy Fehr- Co-Copy Editor, Lauren Acton- News Editor

Faculty Sponsor(s):
Dr. Robert Wells

Abstract/Description:
Millikin's award-winning newspaper for more than 100 years will be presenting on the history of their publication and how the Illinois College Press Association (ICPA) has influenced recent changes to the publication. The staff will also present on their future goals as they plan for a weekly publication in the future. Join us in our newspaper office as we celebrate our 109 years of free press and campus coverage.

Does this presentation make you uncomfortable?

SCO213
1:00 p.m.-2:00 p.m.

Presenter(s):
Nathan Bohannon

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
Enter into a discussion about young adult literature and some of the controversial content that is published today. We will explore drug use, LGBT rights, young love, rape, sex, and loss of virginity and their role in teen lit through novels such as Push, Black Hole, I am J, Doing It and other titles that may otherwise be uncomfortable. So come with an open mind and a willingness to have your boundaries pushed.

Censorship in the American Education System: Why Does This Shit Exist?

SCO213
3:00 p.m.-3:30 p.m.

Presenter(s):
Lindsey Compton

Faculty Sponsor(s):
Dr. Robert Wells

Abstract/Description:
For centuries both public and private universities have suspended and expelled students for committing acts that are "against their policies". Many of these acts committed were students exercising their right to speak freely about situations they either disagreed or agreed with. These problems even extend to professors who have been asked to only teach on topics that do not relate to "sensitive" issues students may not be ready to discuss. Sadly, the problems of censorship are still prevalent in today's education system. Why does this shit exist?

Millikin Males and Masculinity

SH317
3:30 p.m.-4:00 p.m.

Presenter(s):
Dylan Howser

Faculty Sponsor(s):
Raphaella Prange

Abstract/Description:
How does masculinity affect the decision making process of many college males? This presentation will explore the topic of masculinity in higher education and its impact on our college males. Specifically, we will look at the male population on Millikin's campus and how we define it as a community. We will end the presentation with possible programming ideas that will help better facilitate healthy gender identity development.

Haiku Versus Tanka – A Poetry Slam Tournament
Pilling Chapel

3:30 p.m.-5:00 p.m.

Presenter(s):
Dr. Randy Brooks and student teams to be announced.



Our students are capable of inquiry, discovery, creation, and application of newly acquired knowledge.

Faculty Sponsor(s):
Dr. Randy Brooks

Abstract/Description:
Haiku Versus Tanka: A Poetry Slam Tournament. This year the poetry slam features a competition between teams of haiku and tanka poets, with spontaneous judging by the audience and selected guest flag judges. The competition will include topic rounds and impromptu egg-timer production rounds. Of course, there will be fabulous prizes including some of the latest books of contemporary haiku and tanka.

Critical Writing, Reading and Research

Materialism in the United States

SH322
8:00AM-8:15AM

Presenter(s):
Naya Franklin

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
Materialism is the preoccupation with or emphasis on material objects, comforts, and considerations, with a disinterest in or rejection of spiritual, intellectual, or cultural values. The purpose of this research is to evaluate how people in the United States behave towards materialism by focusing on the death of Tyreek Jacobs, an eighteen year old killed over the Jordan Concord gym shoes. I try to address why the value of material things is so high and why people are so attached to material things.

Death by Culture

SH322
8:15AM-8:30AM

Presenter(s):
Cheyenne Duncan

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
Within America, the words death and burial pretty much hold the same meaning from person to person. The deceased are dealt with in one of two ways; pumped with chemicals, dressed up, painted with makeup, and displayed for all to see, or turned to ashes and stored in an attractive urn atop the mantle of a loved one's fireplace. Believe it or not, though, only people in North America are known to practice these funerary contexts. So what do other cultures do with their dead, and why? You probably wouldn't believe it, even if I told you.

The Illuminati: what you don't see, even with the Naked Eye

SH322
8:30AM-9:15AM

Presenter(s):
Kayla Foster

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
Whenever conspiracy theory comes up, the Illuminati is most often named as being responsible. Ironically, it is always left hanging as some shadowy entity which no one can describe. Even more interesting, no one can identify what specific acts can be attributed to this elite group. Those who want to persuade us that the Illuminati did lead the world from the Renaissance to the 19th century, and that it continues to do so today have never come close to producing documents or actual evidence that this is the case. Now you have the chance to witness what you don't see.

The Obesity Epidemic: What Really Is to Blame For Obesity?

SH322
9:15AM-9:30AM

Presenter(s):
Samantha Markum

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
Are we taking it too far by blaming fast food companies for obesity? When does it become individual responsibility and when is it appropriate to place blame? Over the past two decades, there has been a steep rise in the incidence of obesity. Obesity is a major risk factor for disorders including diabetes, cancer, and asthma. This presentation will cover the possible causes of obesity and what and who really is to blame for the increasing issue.

Ring! Your Life is Over. Might As Well Go Die! The Effects of the Evolution of Media and Technology on the Severity of Bullying.

SH322
9:30AM-10:00AM

Presenter(s):
Laura Miller

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
Bullying has become increasingly severe in today's society, and more specifically, our schools. Most children and teenagers alike have experienced or participated in some form of bullying, whether it is physical, verbal, psychological, or any combination of the three. By focusing in on past school shootings and various media and technological

advances, the terrible effects of publicity on bullying brings to light a whole new side of what it means to be a victim or bully.

"The Ultimate in Impossible Love" Paranormal Romance Novels at their Finest

SH322
10:00AM-10:30AM

Presenter(s):
Amy Ashbaker

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
What makes paranormal romance books a phenomenon? Since the beginning of writing fiction novels there has been romance. Then it evolved into different sub-genres such as paranormal or Alternate Reality Romance. Twilight has been one of the most famous paranormal romance series, but what makes it such an appeal? Since Twilight came out, the genre has sky rocketed. This presentation will not just talk about Twilight but also on all paranormal romance books such as Night Huntress, The Black Dagger Brotherhood, Midnight Breed and a lot more. Plus, explore key features of paranormal romance books and what makes them a phenomenon.

Particles and Black Holes

SH322
10:30AM-11:00AM

Presenter(s):
Gage Womack

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
A presentation on what happens to matter that enters a Black Hole's event horizon and is pulled towards the singularity. It will open with how Black Holes are created. It will then look at significance of the matter being pulled in such as, is it destroyed, does it fuel the Black Hole, and does it really matter if random particles are being lost inside? It will end with conclusions on what we can know for sure, and what we can only speculate on.

Beauty and the Inner Beast

SH322
11:00AM-11:15AM

Presenter(s):
Erin Baltazar

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
The Westernization of the Asian culture through plastic surgery. More and more Asian women are getting plastic surgery to reconstruct their faces to look more "Western" and to fulfill an idea of beauty that is being portrayed in magazines by fashion designers and the media. What will happen to diversity if we start looking the same? Why aren't there beauty campaigns for natural beauty and loving one's self? Those topics and the advertising and the beauty industry's effect on other races will also be discussed.

Sanity and Insanity

SH322
11:15AM-11:45AM

Presenter(s):
Candice Stewart

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
My presentation focuses on the law and where they draw the line between sanity and insanity. To help focus on this point, I analyze three different serial killers: One who got off on an insanity plea another killer who did not get off on an insanity plea and my last killer was never captured but, will let the readers of my research decide whether they believe the serial killer is sane or insane.

Caffeine: The Good, the Bad, the Mentally Stimulating

SH322
11:45AM-12:00PM

Presenter(s):
Jonathan Spickerman

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:
There is a large disparity between what is common knowledge about caffeine and what is medically known about its effects on the body. We're all familiar with the buzz, and the inevitable crash, but the impact it can have on your heart and nervous system is something we tend not to concern ourselves with. This presentation aims to connect the two, and to discover if caffeine is as harmless as it seems, or if there are side effects we all should be worrying about.

History

Holocaust Graffiti: The Documentary

SH409
9:00 a.m.-9:15 a.m.

Presenter(s):
Kelby Dolan

Faculty Sponsor(s):
Dr. Timothy Kovalcik

Abstract/Description:
The documentary is a discussion of the modern value of taking students to Holocaust sites in Eastern Europe. With the combination of video footage, commentary and pictures from the 2011 Holocaust tour, the presentation will present the emotional realities of each of the students. Leaving last May as individuals with the academic comprehension of the holocaust, and returning as a close knit group bonded over the human story of loss and resilience. This will be a 10 to 15 minute film with time for questions at the end. The overall goal after presentation is to produce a hour long documentary during the next Holocaust tour with Dr. Kovalcik summer 2013.

The Lives They Lived: Health, Hygiene and Culture in 19th Century America

SH409
9:15 a.m.-10:15 a.m.

Presenter(s):
Colin Bechtel

Faculty Sponsor(s):
Dr. Dan Monroe

Abstract/Description:
Did you know that during the 19th century it was a 'scientific fact' that what we know as fog now was then miasma - a poison gas that caused plagues? In order to combat miasma people carried canes filled with perfumes and smelled them when the gas approached. Between the 20th and 19th century there have been massive changes in the way people live - from their day-to-day grooming habits to the way they treated ailments. The 19th century is divided between the pre and post Civil War as the War brought with it scientific advancements. From the belief that bathing was unhealthy to the medical practice of amputation for wounds that did not require them; once things are laid out it is amazing to see the difference between then and now. There will also be original 19th century artifacts to handle on display.

Youth, Racism, and the Cold War: Marvel Comics in the 1960s

SH409
10:15 a.m.-10:45 a.m.

Presenter(s):
Jessica Knackstedt, Dan Monroe-moderator

Faculty Sponsor(s):
Dr. Dan Monroe

Abstract/Description:
A treatment of major events in the 1960s like the ever changing youth, the Civil Rights movement, and the Vietnam War as illustrated through the popular comic books of the time. Spider-Man embodies the confused youth, searching for purpose. The X-Men find that being different can often lead to prejudice, something the African-Americans felt everyday in the Civil Rights movement. Finally, Iron-Man shows the public's changing attitude about the Cold War. First, being created as a Cold Warrior to evolving into a Vietnam War protestor siding with the American people. Marvel Comics in the 1960s truly had art imitating life.

Anatomy of a Time Lord: Doctor Who and Modern History and Culture

SH409
10:45 a.m.-11:45 a.m.

Presenter(s):
Sheri Martin

Faculty Sponsor(s):
Dr. Michael O'Conner

Abstract/Description:
As the longest-running science fiction show in the world with a highly flexible cast and setting, *Doctor Who* serves as an allegory of the times and documents changing social dynamics in Britain over the course of 32 seasons and 48 years. I will be examining the historical and cultural significance of the different regenerations of the Doctor, his various companions, and various plot arcs and trends.

Humanities

Humanities Undergraduate Research Forum

Pilling Chapel
1:00 p.m.-3:00 p.m.

Faculty Sponsor(s):
Dr. Eric Roark, Dr. Tim Kovalcik,
Dr. Tony Magagna

Abstract/Description:

HURF stands for the Humanities Undergraduate Research Fellowship. The awards are selected from a general solicitation of papers from all Millikin Undergrads. The purpose of the award is to recognize the very best undergraduate research efforts in the humanities. Awards are based upon the consensus of a three member committee comprised of faculty members from the departments of History, English and Philosophy.

Modern Languages

Spanish Capstone

SH303
3:30 p.m.-5:00 p.m.

Presenter(s):
Chase Plasencia, Eric Du, Christin Egli, Hilary Osiecki, Ashley Major, Alex Miller, Laura Mixen, Ashley Longtin

Faculty Sponsor(s):

Dr. Eduardo Cabrera

Abstract/Description:

Spanish major students will be presenting on their research works.

Philosophy

Presentations of Senior Thesis in the Philosophy Major

SH320
9:00 a.m.-12:00 p.m.

Presenter(s):
Students majoring in philosophy and writing a senior thesis this year.

Faculty Sponsor(s):

Dr. Robert Money

Abstract/Description:

Each philosophy major must engage in substantive research and produce a senior thesis in philosophy. Each philosophy major writing a thesis this year will present an overview of her research and thesis. After the overview presentation, each student will entertain questions from the floor regarding her thesis.

The Individual in the Communist State

SH317
3:00 p.m.-3:30 p.m.

Presenter(s):

Dylan Howser

Faculty Sponsor(s):

Dr. Eric Roark

Abstract/Description:

Can the individual (I) survive and/or thrive in the communist state? Does an individual have any personal freedoms in a communist state? These are several of the questions this presentation will be exploring as several of the misconceptions of communism are explored and our own individual freedom is brought into question.

Physics

Mathematical Physics Presentations

LTSC208
8:00 a.m.-10:45 a.m.

Presenter(s):

Brian Barry, Joe Cheeney, Kelsey Cosley, Bret Henderson, Josh Monroe, Chris Pelikan, Ed Pluhar, Syed Salik, Sam Spurling, Nicole Tipsword, Jamiahus Walton, Leon Yu

Faculty Sponsor(s):

Dr. Casey Watson

Abstract/Description:

Kelsey Cosley - Projectile Motion in the Presence of Air Resistance
Josh Monroe - Deriving Kepler's Laws with Differential Equations
Brian Barry - The Energy-Eccentricity Relation and Solar System Dynamics
Jamiahus Walton - The Mathematics of Quantum Tunneling in the context of the Single Atom Transistor

Bret Henderson - The Mathematics of Quantum Tunneling in the context of Radioactive Decay

Joe Cheeney - The Mathematics of Hawking Radiation

Ed Pluhar - The Mathematics of Bose-Einstein Condensates

Nicole Tipsword - The Mathematics of Superfluids

Leon Yu - The Mathematics of Neutrino Oscillations

Chris Pelikan - The Mathematics of Maxwell's Equations and Electromagnetic Waves

Syed Salik - Determining the Number Density of Cosmic Background Radiation Photons

Sam Spurling - Determining the Age of the Universe based on its Matter-Energy Content

Quantum Mechanics Presentations

LTSC001
3:00 p.m.-5:00 p.m.

Presenter(s):

Joe Cheeney, Bret Henderson, Chris Pelikan, Ed Pluhar, Nick Polley, Nicole Tipsword, Jamiahus Walton, Leon Yu

Faculty Sponsor(s):

Dr. Casey Watson

Abstract/Description:

Jamiahus Walton - The Physics of Quantum Tunneling in the context of the Single Atom Transistor
Bret Henderson - The Physics of Quantum Tunneling in the context of Radioactive Decay
Joe Cheeney - The Physics of Hawking Radiation
Chris Pelikan - The Quantization of Electromagnetic Radiation
Ed Pluhar - The Physics of Bose-Einstein Condensates
Nicole Tipsword - The Physics of Superfluids
Leon Yu - The Physics of Neutrino Oscillations
Nick Polley - Deriving the Probability of Sterile Neutrino Dark Matter Decay



Political Science

Ending the Cycle of Violence: Rehabilitation or Punishment? A study determining which judicial sentencing option better deters violent recidivism in domestic violence abusers

SH420
1:00 p.m.-1:30 p.m.

Presenter(s):

Cate Harriman

Faculty Sponsor(s):

Dr. Bobbi Gentry

Abstract/Description:

Domestic violence manifests through a cycle of violence that plagues today's society. For my research, I randomly select 100 domestic violence cases from Denver County in 2001, narrowing down the selection pool to first-time offenders who are charged with a domestically motivated violent crime. I will record the avenue of sentencing for each case, either rehabilitation or punishment, and track the recidivism of violent crimes of each abuser from 2001 to 2011 to see if a judge's sentencing of rehabilitation or punishment is more deterrent on recidivism of violent crimes by domestic violence abusers. My research will show which method of sentencing is more effective to deter future incidents of domestic violence, helping to stop the cycle of violence.

Food Politics and Government Organic Labeling

SH420
1:30 p.m.-2:00 p.m.

Presenter(s):

Natasha Leonard

Faculty Sponsor(s):

Dr. Bobbi Gentry

Abstract/Description:

I will explain the importance of government and food politics. I will also be explaining how the government labels organic produce through federal agencies like the USDA. In addition, I will be discussing consumption, farming and food politics to help the audience better understand the topic.

Sociology

Operational Definition: Rave

SH412
10:00 a.m.-10:20 a.m.

Presenter(s):

Kyle McAllister-Grum

Faculty Sponsor(s):

Dr. Larry Troy

Abstract/Description:

Rave culture has gained public attention through media and by preliminary research performed by sociologists. Studying the activities of rave attendees in Illinois and the environment they socialize in has helped to develop new ideas for formalizing the definition of rave that researchers desperately need.

19TH ANNUAL COS POSTER SYMPOSIUM

Commitment to performance learning

Shilling Hallway (2nd Floor)
1:00 p.m.-3:00 p.m.

The Millikin Research Poster Symposium was developed to provide all currently enrolled students with an opportunity to share their scholarly activities, as well as practice the communication skills so crucial to professional

success. Modeling professional research conference practices, the Millikin Research Poster Symposium celebrates the scholarship that results from these student-faculty collaborations, and encourages students not currently involved in scholarship to participate in the future. Their scholarship is an authentic example of our mission and commitment to performance learning. The variety of research methods and topics vividly demonstrate each student's definition of their professional success, active citizenship, and life of meaning and value.

The symposium atmosphere is casual and designed to foster informal conversations between student researchers and symposium attendees, typically other students, faculty,

and invited guests. Participation in the poster symposium requires faculty review and certification of the quality of the scholarly project. During the poster symposium, faculty judges critique each poster and speak with the presenters to evaluate each participant's level of expertise, with top posters receiving awards. Begun in 1993 with funding from the Office of the Provost, the poster symposium is now in its 19th year. In 1994, Judith and G. Richard Locke and the interdisciplinary Honor Society of Phi Kappa Phi began providing financial support for the prizes awarded to the top-rated student authors of the poster symposium.

In Honor of Judith and Dr. G. Richard Locke

The 19th Annual Millikin University Research Poster Symposium is dedicated to Judith "Judy" and the late G. Richard "Dick" Locke, M.D., in gratitude for their longstanding support of undergraduate research at Millikin University. Dick and Judy founded the Judith and G. Richard Locke Undergraduate Research Poster Awards in 1994.

Dick served as a Millikin Trustee from 1994 until 2003, when he retired as Co-Vice Chair. In recognition of his service, he retained the title of Trustee Emeritus. While a Board member, he chaired many committees and served as Vice Chair for the campaign to build Leighty-Tabor Science Center.

An Ohio native, Dick earned degrees from DePauw University, Greencastle, In., and Western Reserve University School of Medicine, Cleveland, Ohio. He served as Medical Director of the Decatur Cancer Care Institute from its founding in 1968 until his 2002 retirement. A local pioneer in the use of radiation therapy for cancer treatment, Dick was known for patient advocacy and compassionate care.

Dick served as Clinical Associate Professor for the University of Illinois-Urbana/Champaign School of Medicine and Southern Illinois University Medical School-Springfield. He was a longtime Trustee for his undergraduate Alma Mater, DePauw University.

A Fellow of the American College of Radiology, Dick also held a variety of leadership roles in the local medical community.

Dick and Judith "Judy" Blang Locke were married soon after their graduation from DePauw. An advocate of parks and community recreation, Judy serves as President of the Decatur Parks Foundation. A Decatur Park District Commissioner for more than 20 years, Judy's expertise led to her election as the Board President of the Illinois Association of Park Districts in 2000. She is a member of the Millikin Associates.

Dick passed away on August 29, 2009. Judy lives in Decatur.



G. Richard Locke, M.D.



COLLEGE OF FINEARTS

A5



Look inside the process

Often, the only public presentation of an artist's work is the finished product. Audiences typically don't have the opportunity to see the applications of theory and practice taking place in the process of the creation of art. The celebrations of scholarship in the College of Fine Arts allow us to look inside the process,

which involves analysis, research, development of structural and conceptual frameworks, and critically informed aesthetic judgment. This is the scholarship that informs and is embodied in a work of art.

We invite you to explore the process of creation with our students,

and hope that the insights offered will allow you to enjoy the finished products of art making even more fully. Who knows, you may enjoy seeing the process as much, if not more, than the product!



Laura Ledford
Interim Dean
College of Fine Arts

Art

The Iconography of St George and the Dragon

SCO211
8:00 a.m.-8:30 a.m.

Presenter(s):
Anna Niebrugge
Faculty Sponsor(s):
Shelly Cordulack

Abstract/Description:
My presentation will be about my research and theories on the iconography of Saint George and the Dragon in Renaissance paintings. While this subject is usually interpreted as the power of Christianity over the Pagans, it can also be interpreted as the reflection of the rise of humanism and innovation in the renaissance.

Graphic Design Portfolio Day

MAC Lab
3:00 p.m.-5:00 p.m.

Presenter(s):
Upper level design students
Faculty Sponsor(s):
Edwin Walker

Abstract/Description:
Upper level design students will be sharing their work with the campus community and the general public.

Music Education

Multicultural Music Around the World (Middle Level Music Methods)

SCO208
8:00 a.m.-5:00 p.m.

Presenter(s):
Cassie Barkley, Kevin Berls, Taylor Bley, Hilary Bultman, Jen Clark, Emily D'Ambrose, Conrad Fassig, Joe Foltz, Jade Gustavsen, Stephanie Lanute, Ryan LaSarre, Jessica Manning, Kayla Morgan, Dayne Newberry, Alissa Newlin, Jeff Novak, Thomas O'Malley, Elia Pepps, Chelsea Rhoades, Bradley Staker, Kiernan Steiner, Chelsea Wright, Nicholas Young

Faculty Sponsor(s):
Dr. Catherine Ming Tu
Abstract/Description:
Multiculturalism advocates a society that extends unbiased status to distinct cultural groups. One of the goals of multicultural education is to prepare students for dealing realities of life in a pluralistic country. Our children live ethically and racially ever expanding diverse culture in America. They face most difficult challenges of "tolerance and diversity." Stereotypical difference and misunderstanding continue to plague our students and contribute to their fears. It is essential that children be able to relate to the cultural music in their own heritage and be exposed to a variety of music from ethnic and cultural groups around the world. This presentation provides the music education students the opportunity to demonstrate their ability to plan, deliver, and to evaluate a cultural lesson for a middle school general music class. Using Powerpoint presentation, they will share their knowledge of representative examples of music literature from the following ethnic cultures: Asia, Africa, South America, Middle East, Latin America, Caribbean Islands, and so much more.

Theatre & Dance

The Face of Truth: The Greek Theatre Mask and Its Attempt to Cross Borders

Pipe Dreams2
10:15 a.m.-10:30 a.m.

Presenter(s):
Sierra Goldberg
Faculty Sponsor(s):
Tom Robson

Abstract/Description:
Masked theatre, specifically ancient Greek theatre, has influenced Western dramatic practices profoundly. Research has answered many questions about the Greek tragic mask, however scholars have thus far failed to adequately answer the question of why masks were used. There are practical reasons--costuming, doubling problems, distance from actor to audience--but these do not completely account for the use of masks. From further study in the origins of Greek theatre, the physicality of the mask, and the purpose of classical art, one finds that there is a highly important religious and ritualistic explanation behind the mask.

The Loveliest Afternoon of the Year

Pipe Dreams2
10:30 a.m.-11:00 a.m.

Presenter(s):
Lili Torre (Director), Kara Leman (performer), Darien Lunsford (performer)

Faculty Sponsor(s):
Tom Robson
Abstract/Description:
John Guare's Loveliest Afternoon of the Year was an obvious choice for me to direct for my One-Act Directing project for Directing I. The show is a quirky look at a man and a woman who meet and fall in love in Central Park, only to have their



dreams of love dashed by the man's wife. The play explores issues of love and marriage, as well as our inability to accept the strange truths that exist in our world. This piece was an absolute joy to direct. I will deliver a presentation on my process prior to the actors performing the 15-minute comedy.

Millikin's Version of Project Runway

Pilling Chapel
11:30 a.m.-12:00 p.m.

Presenter(s):
Kate Burton, Allyx Davison, Holly Gleason, Kristen Heinenkamp, Hannah Miller, Justin Ostergard, Alex Scholinsky, Sean Tait, Lauren Taylor, Michael Valoon

Faculty Sponsor(s):
Jana Henry Funderburk

Abstract/Description:
TH152, Costume Construction, will be modeling the garments they have produced as part of the course requirements. Each student selected a pattern, cut and stitched the garment. They will answer questions about their garments, process, and learning a new "hands-on" skill set. Theatre & Dance.

Rock History and Song Through the Decades

Albert Taylor Theatre
1:00 p.m.-2:00 p.m.

Presenter(s):
Brittany Dye, Collin O'Connor, Jake

VanderLinden, Andrew Purcell, Matt Walker, Lili Torre, Liz Fallon, Kara Leman, Julia Smith, Elizabeth Sherman, Kim McClay, Sarah Beth Odle, Keegan Huckfeldt, Justin Ostergard, Katie Colletta, Jack O'Brien, Andy Frank, Charlotte Fox, Emily Gardner, Meghan Redding

Faculty Sponsor(s):
Lori Bales and Kevin Long

Abstract/Description:
Students study the eras of pop/rock looking to the history of the period to inform the style and presentation of singing pop/rock songs. Vocal stylings and physical embodiment are informed by the ethos of the times. Students will present the relevant research which inform the songs they sing.

Acting for Musical Stage: Scenes & Research

Albert Taylor Theatre
2:00 p.m.-3:00 p.m.

Presenter(s):
Matt Walker, Katie Colletta, Charlotte Fox, Andy Frank, Emily Gardner, Kim McClay, Jack O'Brien, Sarah Beth Odle, Meghan Redding

Faculty Sponsor(s):
Lori Bales and Kevin Long

Abstract/Description:
Students will present research and scene work from American Musicals drawing parallels between their research and the choices presented in the scenes.

"We invite you to explore the process of creation with our students"

COLLEGE OF PROFESSIONAL STUDIES

A5

We celebrate scholarship in all of its forms!

Celebrations of Scholarship. What a fabulous moniker! Not only does it describe the work of the University, it communicates how we embrace the myriad of that work. We celebrate scholarship in all of its forms! The event is rich with a diversity of scholarly topics, settings, and approaches.

In the College of Professional Studies, we value the development of professionals who engage in active learning while acquiring knowledge. We believe there is no better example of active learning than an individual's engagement in scholarly endeavors. Scholarly engagement improves the body of knowledge of the professional. Scholarly engagement advances the application of theoretical concepts to practiced performance. Scholarly engagement supports the

development of partnerships within communities. Scholarly engagement shapes the future of the professions in which we practice.

Dr. Deborah L. Slayton



Dr. Deb Slayton
Interim Dean
College of Professional Studies

Exercise Science & Sport

Back Pain: To work your core or not to work your core?

SCO315
8:00 a.m.-8:30 a.m.

Presenter(s):
Ashley Alonso
Faculty Sponsor(s):
Tisha Hess

Abstract/Description:
Does abdominal strengthening help improve low back pain? There has been a time in all of our lives that we have experienced some kind of back pain or have known someone that has experienced it. This annoying pain can be caused by numerous reasons such as age, physical activity, pregnancy, or job activity. This presentation will review current literature on the relationship between abdominal strengthening and low back pain.

What Pumps You Up?

SCO315
8:30 a.m.-9:15 a.m.

Presenter(s):
Kaitlin Brassil
Faculty Sponsor(s):
Tisha Hess

Abstract/Description:
Research shows that exercise increases the heart rate and positively impacts overall cardiovascular health. However, there is minimal research on what factors contribute to one's motivation during exercise. One potential factor is the presence of music before and during a work-out. This research study seeks to determine the effects of different genres of music on heart rate while a person is in a relaxed, sedentary state. Future studies will then look at the effects of music on heart rate during exercise.

Stretching in the Reduction of Delayed Onset Muscle Soreness: A Literature Review

SCO315
9:15 a.m.-10:00 a.m.

Presenter(s):
Troy Kuster, Jr.
Faculty Sponsor(s):
Tisha Hess

Abstract/Description:
Delayed onset muscle soreness (DOMS) most likely affects every individual at some point of time in his/her life. DOMS is characterized by intense muscle pain anywhere from 24 to 72 hours post activity that occurs partially due to damage to muscle tissue. Although the exact cause of DOMS is still unknown, scientists all over have studied its effects on individuals and have tried different means to reduce its intensity. This presentation will review current information on the DOMS phenomenon and on the effectiveness of stretching for DOMS reduction.

Exercise Science & Sport

How Much Does Caffeine Effect You?

SCO315

10:00 a.m.-10:45 a.m.

Presenter(s):
Peter Bonner

Faculty Sponsor(s):
Tisha Hess

Abstract/Description:

Caffeine is a stimulant that is widely used in the food and drug industries. Due to the stimulating effects, caffeine is a banned substance by the NCAA (National Collegiate Athletic Association). This presentation will review current literature on the effects of caffeine on heart rate during athletic participation.

Methods for Improvement of Maximum Aerobic Capacity

SCO315

10:45 a.m.-11:00 a.m.

Presenter(s):
Kelly Blumberg

Faculty Sponsor(s):
Tisha Hess

Abstract/Description:

This presentation will focus upon the most effective approach for the improvement of one's maximum aerobic capacity. Current literature will be discussed to consider the different modes of training, intensity, and duration and the impact each has on maximum aerobic capacity. In completing this research, possible guidelines will be discussed for collegiate athletes to more effectively and efficiently use energy during exercise sessions.

You Can't Be Competitive With the Female Athlete Triad

SCO315

11:00 a.m.-11:30 a.m.

Presenter(s):
Crystal Zeigler

Faculty Sponsor(s):
Tisha Hess

Abstract/Description:

The female athlete triad is a syndrome that consists of three interrelated conditions: disordered eating (bulimia, anorexia nervosa), amenorrhea (absence of the menstrual cycle), and osteoporosis. Female athletics have become highly competitive, and because of this competitiveness, there is an increase in intensity, expectations, body image, and injury. This presentation will review current literature on the relationship between the female athlete triad and orthopedic injury.



Nursing

If two pills is good, four must be better: A look at older adults and medication use

SCO309

8:00 a.m.-9:00 a.m.

Presenter(s):
John Blakeman

Faculty Sponsor(s):
Pamela Lindsey

Abstract/Description:

Between 45% and 55% of older adults in the United States take five or more medications each day – not counting supplements/remedies. Considering the aging Baby Boom population, identifying ways to promote safe and cost-effective medication practices can save time, money and lives. This presentation focuses on patterns of medication use in older adults, including the issues of polypharmacy, improper dosing, side effects, adverse reactions, misinformation, and use of a medication record. Implications for nursing practice to improve the efficacy and safety of medication use in the aging population and recommendations for the general public will be explored.

TABOR SCHOOL OF BUSINESS

Celebrate our students' scholarship

There is a time to prepare, a time to perform, and a time to celebrate; this day brings us all an opportunity to celebrate our students' scholarship, as they share their work. Come learn what new ideas students have developed, what insights they have discovered, or what new ventures they are building. Like no others, Tabor students collaborate with peers and faculty, as they actively engage in their discipline. The result – Tabor students compete with the best.

At the end of the day, you will be impressed, we are, with the diversity of ideas, the quality of work, and the capacity of our students as professionals taking on the challenges of a complex business world. Join us in the celebration of their scholarship.



Dr. James Dahl
Dean
Tabor School of Business

TABOR School of Business

Tabor Investment Portfolio Annual Report

SCO207

1:00 p.m.-2:00 p.m.

Presenter(s):
Justin Ladendorf, Eric Beck, Stephen Eades, Rich Kaczynski, Kyle Lane, Dustin Moore, Dexter Oates, Samantha Stringer, Melissa Szanati, Chad Wolpert

Faculty Sponsor(s):
Dr. Tatiana Isakovski

Abstract/Description:

The Tabor Investment Portfolio (TIP) is a portfolio of securities managed by students under the guidance and supervision of the independent Board of Directors, the Managing Director (Dr. Tatiana Isakovski), and the Dean of the Tabor School of Business. Securities for TIP are selected based on student investment recommendations that must be approved by the Board of Directors. TIP made its initial investment of \$100,000 in August 2010. 2011 is the first full calendar year for which TIP's student-management team will be presenting the Portfolio's Annual Report.

Web-Based Portfolios: Proof of Performance

SCO207

3:00 p.m.-4:00 p.m.

Presenter(s):
TBD

Faculty Sponsor(s):
Pam Folger, Kristin Nisbet

Abstract/Description:

Tabor students who have taken MG211 (Career Lab) this year will present online portfolios and will compete for top honors for best portfolios (1st, 2nd, 3rd place) based on relevance of content and overall presentation. Portfolios will be judged by a panel of area employers. Creating a portfolio enhances student self-awareness of strengths, skills, and accomplishments. It also allows students to present achievements and qualifications in a way that demonstrates potential contributions to an employer's organization. Portfolios better prepare students for the interview and increase overall confidence.



Entrepreneurship

Business Creation Competition

SCO207

8:00 a.m.-12:00 p.m.

Presenter(s):
TBD

Faculty Sponsor(s):
Andy Heise, Sharon Alpi

Abstract/Description:

The Business Creation Competition is Millikin University's premiere business plan competition. Individual students or teams present their business plan in competition format for prizes. Tabor School of Business.

Living the Dream: Stories from Successful Latin American Entrepreneurs

SCO207

2:00 p.m.-2:30 p.m.

Presenter(s):
Jamie Rockhold

Faculty Sponsor(s):
Dr. Mark Munoz

Abstract/Description:

The purpose of the research project is to provide future entrepreneurs with guidelines and building blocks

on to which they can achieve success by writing a novel detailing the experiences of successful Latin American entrepreneurs. This presentation will examine the process: selecting entrepreneurs, creating beneficial questions, interviewing those selected, and following up after the interview has taken place. In addition, the findings of the research will be analyzed for commonality and implications.

Entrepreneurship Practicum: Consulting with MU Student-Run Ventures

SCO207

2:30 p.m.-3:00 p.m.

Presenter(s):
Jamie Rockhold, Justin Ladendorf, Kevin Stocks, Michelle Hoerber, Matthew Amato, Grant Edwards, Joshua Rose

Faculty Sponsor(s):
Richard Chamblin

Abstract/Description:

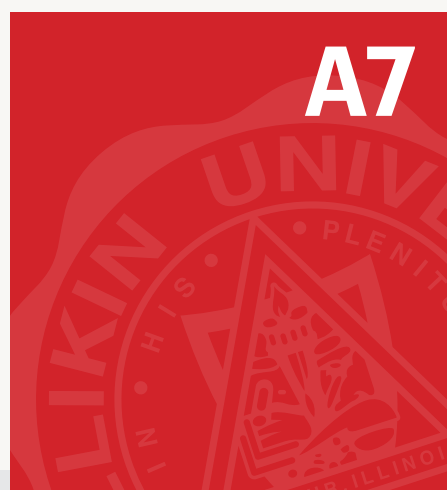
Beginning in the Spring of 2011, the Entrepreneurship Practicum course, consisting of a small group of

students from Freshmen to Seniors, was created to help Millikin University student-run ventures gain business and financial knowledge. With a stronger understanding of the financial component, the students are able to create a more successful business. During the course, the Practicum has created financial strategies, operating procedures, internal control, and enhanced organizational structures for the ventures. In return, Practicum members learn about business consulting through application and gain a better understanding of student-run ventures and valuable skills from the mentorship within the Practicum.

There is a time to prepare, a time to perform, and a time to celebrate



LONG-VANDERBURG CATERPILLAR SCHOLARS



Academic Excellence and Scholarship

The Long-Vanderburg Caterpillar Scholars Program was established in honor of Fred Long and Marian Vanderburg-McCants, the first male and female African American graduates of Millikin University. In 2011, the program received a generous gift from Caterpillar, Inc. and was renamed the Long-Vanderburg Caterpillar Scholars Program. As Honors Students, Long-Vanderburg Caterpillar Scholars embody academic excellence and scholarship, display exemplary leadership skills that affect positive social change, and demonstrate a commitment to service for the betterment of the campus, the local community and broader society. During Celebrations of Scholarship, Freshman through Senior Long-Vanderburg Caterpillar Scholars will present original research that explores their position in society, their ever-growing leadership models, their professional creeds, and also their development as citizen-scholars. Join them as they showcase what it means to be Long-Vanderburg Caterpillar Scholars at Millikin University!



Row 1 pictured (l to r): Arielle Austin, Celena Campbell, Monuaye Deah, Eric Du Row 2 pictured (l to r): Naya Franklin, Micah Glaze, Kristina Stavroplos, Stephanie Strick.

Long-Vanderburg Caterpillar Scholars

What do you stand for? Long-Vanderburg Caterpillar Scholars Professional Creed Project

LTSC115
8:00 a.m.-9:00 a.m.

Presenter(s):
Arielle Austin- Theatre & Communication, Stardasha Brown- Information Systems, Monuaye Deah- Psychology, Eric Du- Human Svc & Spanish, Chaz Gregory-Phys Ed (K-12), Jordan Moxey- Biology:Allied Health Track, Emily Padilla- Commercial Music/Music Business, Chase Plasencia- Soc. Sci. Ed/Spanish, Veronica Powell Hughes- Elementary Education, Kristina Stavroplos- Human Services & Psychology, Anibal Valentin- Graphic Design/Comp Art, Jamiahus Walton- Physics

Faculty Sponsor(s):
Dr. Michelle Jewett

Abstract/Description:

What are the values and beliefs that you live by as a professional? Who has influenced this process and what experiences have inspired you? What kind of professional do you hope to become in your field? How do you intend to serve within your career ten years from now? The junior class of LV-CAT scholars will be presenting their unique answers to these and other questions related to the ethics and principles of their future professions.

Long-Vanderburg Caterpillar Scholars: Identity and Scholarship I

LTSC115
9:00 a.m.-10:00 a.m.

Presenter(s):
Celena Campbell, Naya Franklin, Geoffrey Godwin, Ebony Hughey, Rheanna Monical, Tia Pennington,

Candice Stewart, Victoria Vargas, Bridgette Williams

Faculty Sponsor(s):
Dr. Ishwanzya Rivers

Abstract/Description:

The freshman Long-Vanderburg Caterpillar Scholars will explore connections between identity, ethnicity, culture, and history, among other topics, using both reflection and research to construct their arguments.

Long-Vanderburg Caterpillar Scholars: Identity and Scholarship II

LTSC115
10:00 a.m.-11:00 a.m.

Presenter(s):
Tiara Allen, Ashley Flores, Micah Glaze, Simone Griffis, Amanda McGraw, Christina Patterson, Toni Pennington, Stephanie Strick, Mariana Weber, Kierra Wilson

Faculty Sponsor(s):
Dr. Ishwanzya Rivers

Abstract/Description:

The freshman Long-Vanderburg Caterpillar Scholars will explore connections between identity, ethnicity, culture, and history, among other topics, using both reflection and research to construct their arguments.

Senior Autoethnography

LTSC115
11:00 a.m.-12:00 p.m.

Presenter(s):
Laura Alva, Jasmine Broadie, Christiana Cabrera, Lindsey Compton, Matt DeCosse, Darian Peer, Elijah Valentin, Quita Ward

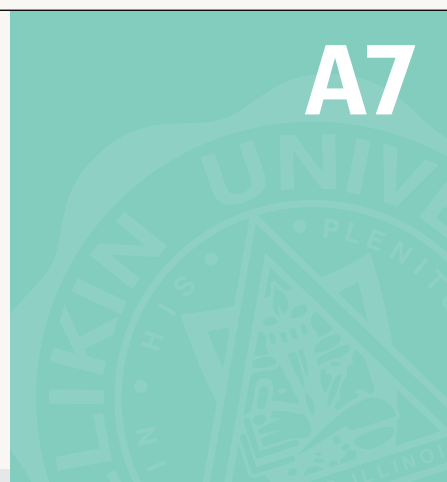
Faculty Sponsor(s):
Dr. Purna Banerjee

Abstract/Description:
Nine graduating LV-CAT senior scholars will individually read sections from

their autoethnographic narratives. Each paper will fulfill the core mission for Millikin University by focusing on questions of identity and ethics. The papers will delineate the students' academic and personal journey and in the process try to answer the questions: Who am I? How can I know? What should I do?

HONORS FRESHMAN FOCUS PANELS

FRIDAY APRIL 27TH



Millikin's Honors Program

Millikin's Honors Program introduces students to college level scholarship, research, critical thinking, and writing. Freshman Honors seminars involve intense discussion and require active participation. Honors Scholars are chosen based on their academic achievements, involvement in high school, and an interview/selection process. During Celebrations of Scholarship, freshmen present their research from their first two semesters as an Honors student. Join them as they celebrate their first successful year at the University!

27-Apr	8:00 a.m. to 9:00 a.m.	9:00 a.m. to 10:00 a.m.	10:00 a.m. to 11:00 a.m.	11:00 a.m. to 12:00 a.m.
Room 318 Judith Crowe	Skya Gentle Danielle Davis Morgan Ewald Rachel Croy	Celena Campbell Kyle Deeken Courtney Gallup Dana Hunt	Chris Liva Austin Myers Hailee Peck Brenna Pfeifer	Corrine Fox Rob Spurling Danielle Mohrbach Rosalyn Stevenor Megan Smith
Room 327	[Judith Crowe] Mary Hardcastle Kendra Peterson Bethany Swartz Derekah Williams			
Room 315 Dr. Michael O'Conner	RemmiBaker Austin Brettschneider Jessica Claussen Kristy Gifford Moli Copple	Courtney Gerk Catherine Hixon Conner Kerrigan Eric Landgrebe Nick Buitla	Lindsay Quick Joshua Rose Elizabeth Royal Graig Stasicky Vicky Vargas	Geoffrey Eggleston
Room 317 Dr. Tony Magagna	Sendin Bajric Sam Reisman Matt Swofford	Sarah Kisley Kendall Harvey Brittany Mytnik	Seth Harshman Stefanie Davis Katie McDaniel	Rachel Reininger Drake Mellott Jamie Shriver



JMS SENIOR RECOGNITION DAY

FRIDAY
& SATURDAY

Showcasing the work of the James Millikin Scholars

Today's program showcases the work of the James Millikin Scholars. Students in this program have completed a project that began at the beginning of their junior years and culminates in today's presentations. The projects are as unique as the students presenting them. You will see students present

their work in nearly every discipline. A sampling of the topics this year include how to organize a triathlon, the legal and ethical issues in the 2008 Financial Crisis, "The Portrait of Dorian Gray" in music, a study of the history of pottery demonstrated with original works by the student-artist, and a study of the BP Oil Spill from

a crisis communication perspective. We expect you to see some of the best student research and creative projects that Millikin has to offer.

Cheryl & Chamblin



Dr. Cheryl Chamblin
Director Honors Program
Millikin University

Friday Presentation

Discovering Cold Fire
3:30 a.m.-3:45 p.m.

Presenter(s):
Stephanie Gates
Project Advisor(s):
Dr. George Bennett
Abstract/Description:
Our knowledge of the elements of the periodic table had an enormous influence on the shift from alchemy to chemistry. Hennig Brandt discovered phosphorus in 1669, but his greed prevented him from sharing his secret for years, which led to false claims and other independent discoveries. The true account of this discovery story can be followed through an exchange of letters between the main alchemists involved. Using the information gained from these letters and multiple other sources, I have brought to life the story of these characters that fought to discover the true secrets behind the mysterious "cold fire". The story is written in short vignettes, with snippets of the letters interspersed throughout the tale. The challenges and excitement of scientific progress are portrayed through the eyes of seventeenth century alchemists, which bring further understanding to the constant climate change in scientific research.

Saturday Presentations

Analysis of the Multidimensional Self: Do Multiple Social Identities Contribute to Anxiety?
SCO 109

8:15a.m.-9:00 a.m.
Presenter(s):
Jaimie Pantoja
Project Advisor(s):
Dr. Linda L. Collinsworth
Abstract/Description:
Anxiety defines a group of disorders and syndromes that are affected by many factors across biological, psychological, and sociocultural dimensions. This study examines two problems within a sociocultural context: (a) the relationship between endorsement of anxiety symptoms and one's social identity salience, the latter of which is related closely to Tajfel and Turner's (1974) social identity theory and (b) the measurement of social identity salience outside of situational context using a self-report inventory. Using a 16-item created inventory to measure salience, responses of participants were compared with racial, gender, sexual orientation identifications and State-Trait Anxiety inventory responses.

More Than This: A Vanessa Carlton Jukebox Musical
SCO207

8:15 a.m.-9:00 a.m.
Presenter(s):
Matt Shelton
Project Advisor(s):
Kevin Long
Abstract/Description:
This production is based on the model used to create musicals such as Mamma Mia! and Across the Universe which synthesize the ideas of a particular musician (in this case Vanessa Carlton). The challenge was to determine a reason why an audience should care about the musical. Through lyrical analyses and reading interviews by the artist, the themes of emotional abuse and contentment with life became very evident. The intended outcome of the production is that it would provide individuals with tools to recognize, avoid, and escape harmful

relationships while also exposing them to the often overlooked music of Vanessa Carlton.

Knittin' Pretty
SCO 208
8:15 a.m.-9:00 a.m.

Presenter(s):
Colin Funk
Project Advisor(s):
Jana Henry Funderburk
Abstract/Description:
Knitting is an age old form for creating clothing that dates back to the first millennium in Egypt. Today there are many stereotypes attached to the idea of knitting, and for those who don't knit, it is frequently misunderstood and under-appreciated. Knitting is consistently viewed as a craft done by lonely, older women to fill their time. This project is about exploring knitting and all of its facets, and to create a piece of performance art to share these elements with the public, and break past these stereotypes. To do this I am taking different elements about knitting, things like history and culture, social applications, emotional response, and artistic value, separating those elements and highlighting them in several small skits/performances. These skits will be brought together to create one dynamic piece that shows the audience different aspects of knitting that they've never seen. Hopefully this will take an overlooked art form and bring it to life as a vital and active medium for creating art and expressing many different things, and not just what grandmothers in rocking chairs do for hours at a time.

Impermanence: A Collection of Lost Things
SCO 212

8:15 a.m.-9:00 a.m.
Presenter(s):
Tori Richards
Project Advisor(s):
Dr. Carmella Braniger
Abstract/Description:
Every day, people miss out on enjoying daily life. There is always something holding them back, never letting them enjoy the present. The goal of this project is to show that daily life passes by as people are too busy to take notice. It analyzes the work of philosophers, professors, theorists and religion by applying main principles to experiences with impermanence seen in daily life. It provides insight on the issue of impermanence, and how people can learn to lead a less stressful and fast-paced life.

TV Station Coming Soon to a Campus Near You
SCO 213

8:15 a.m.-9:00 a.m.
Presenter(s):
Heather Bulthuis
Project Advisor(s):
Dr. Thomas Duncanson
Abstract/Description:
The purpose of this project is to address the need Millikin University has for the establishment of a television station on campus. A television station would meet the needs of students who are pursuing a career in the broadcast field as well as providing an outlet for students to know what is happening around campus. In addition to meeting students' needs, a station would increase Millikin's competitiveness with its peer and aspiration schools. Surveys and questionnaires were developed for students and fellow universities in order to discover the benefits and advantages campus television stations provide. In addition to the research, segments were produced, as an example of



Row 1 pictured (l to r): Nathan Bettenhausen, Jackie Buhrmann, Heather Bulthuis, Stephen Eades
Row 2 pictured (l to r): Colin Funk, Stephanie Gates, Justin Ladendorf, Ali Morrison
Row 3 pictured (l to r): Kari Ringgenberg, Matt Shelton, Tim Shirriffs, Kari Thornton

the type of programming a Millikin station would air. As a whole this project demonstrates the need for a campus station, the benefits one provides, and an example of the programming Millikin can produce.

Progress Toward More Non-Toxic Cosmetic Foundation with Good Durability
SCO 109

9:15 a.m.-10:00 a.m.
Presenter(s):
Valerie Kale
Project Advisor(s):
Dr. George Bennett
Abstract/Description:
With everyone in the world jumping on the green bandwagon, cosmetic companies now strongly push for greener, more non-toxic ingredients. Because of new research in the field on the possible harmful effects of 1,4-dioxane and nitrosamines, which are ingredients in many of the foundations on the market, the search for non-toxic ingredients has never been stronger. However, most women are more concerned with the coverage their foundation offers than the ingredient safety. Many of the foundations that advertise being natural and non-toxic usually do not offer its users long-lasting coverage. The aim of this project is to develop a foundation formula that will not only offer women great coverage but also a safer mix of ingredients. Formulations with soy lecithin as a replacement for several toxic ingredients have shown durability that is comparable to commercially available cosmetic foundations. Water resistance as measured by contact angle and droplet shape served as a proxy measurement of durability. The formulations with soy lecithin showed improved water resistance compared to selected commercial products.

Debussy the Maverick: Debussy's Rome Cantatas in Light of Creativity Studies
SCO 207

9:15 a.m.-10:00 a.m.
Presenter(s):
Ali Morrison
Project Advisor(s):
Dr. Travis Stimeling
Abstract/Description:
Inspired by visual arts and literature, especially by the symbolist movement and by non-Western arts, French composer Claude Debussy was truly a maverick, experimenting with harmony, form, and timbre and breaking away from eighteenth and nineteenth century German musical conventions. Though his name and must have permeated musical, literary, and artistic circles as well as popular culture, his life and mind remain enigmatic, due not only to thoroughly varied compositional practices, but also to the lack of verifiable details available to us about his life. This project intends to shed light on this musical maverick by viewing his compositions through a new lens: the psychological study of creativity. Applying Mel Rhodes' framework for creativity study to investigate Debussy's Rome cantatas – four cantatas written from 1182-1888, this project illuminates an aspect of Debussy's compositions and practices, but also establishes a new application of creativity studies and a new method for understanding composers.

The Influence of the History of Ceramic Vessel Tradition
SCO 208

9:15 a.m.-10:00 a.m.
Presenter(s):
Kari Thornton
Project Advisor(s):
James Schietinger
Abstract/Description:
This project came about as a way to address the broad and vague history

that influences the ceramic vessel tradition today. History is present in the contemporary vessel tradition, however sometimes hard to see. This project makes those connections in my own work by studying ancient vessels, recreating aspects that intrigued me, and then cross referencing them between cultures and in my own contemporary work. I used a variety of firing techniques including salt firing, high fire, raku, and pit fired. As a result I have seen where the vessel tradition has been and perhaps where it is heading, especially in my own work. Through the pieces I have made people can learn part of the history and see the influence in today's vessel making.

The Financial Crisis: "Greedy" Wall Street or Governmental Policy?
SCO 212

9:15 a.m.-10:00 a.m.
Presenter(s):
Justin Ladendorf
Project Advisor(s):
Dr. Cheryl Chamblin
Abstract/Description:
The financial crisis of the late 2000s was the most devastating economic disaster since the Great Depression. Financial institutions across the world were in jeopardy of failing. To avoid global economic catastrophe, U.S. and international banks were "bailed out" by their governments. While many politicians and media sources claimed that "greedy" Wall Street bankers were to blame, others asserted that government intervention in the banking industry, the lack of oversight placed on financial institutions, and/or the removal of conventional lending standards were the primary causes of the crisis. This paper will demonstrate the role that commercial banks, Wall Street investment banks, Fannie Mae, Freddie Mac, financial regulatory agencies, and consumers played in the crisis by examining the ethical and legal issues surrounding their actions.

Saturday Presentations

Continued from A7

Sign Language in the Millibubble?: Assessing and Proposing the Need for Sign Language at Millikin University

SCO 213

9:15 a.m.-10:00 a.m.
Presenter(s): Rebecca Smith
Project Advisor(s): Dr. Nancy Curtin
Abstract/Description: Although Millikin University offers many majors, minors, and certificate programs, Millikin does not offer courses for American Sign Language (ASL). If students were to change their majors and hoped to learn sign language, they would be required to seek it elsewhere. A sign language program at Millikin could be helpful because nearly every student has the potential to encounter someone who uses sign language as their main form of communication. This project assesses the need and desire for a sign language program at Millikin through 132 surveys of current student with different majors. Surveys indicate a need and desire for an ASL program. As a result, this project also analyzes ASL classes at other universities in order to propose and create a course listing for Millikin. Results will focus on the students' desire for ASL courses at Millikin, a proposed curriculum and the benefits of offering ASL to students.

Green Synthesis of Aldosterone Inhibitors

SCO 109

10:15 a.m.-11:00 a.m.
Presenter(s): Kimberly Watson
Project Advisor(s): Dr. George Bennett
Abstract/Description: The purpose of this project is to create a greener method to synthesize aldosterone synthase inhibitors by using the twelve principles of green chemistry as set by the American Chemical Society. The proposed method to synthesize 1-iodanyl iodide is to use indanol and use a substitution method to synthesize an iodo compound very similar to indanol. The next step in the process is to use the iodo compound and use a two step substitution using indium and pyridine-4-carbaldehyde. Using these two steps should produce the aldosterone synthase inhibitor.

MONSTER

SCO 207

10:15 a.m.-11:00 a.m.
Presenter(s): Jaymeson Welker Metz
Project Advisor(s): Dr. Robert Money
Abstract/Description: The primary focus of this play began with social deviants and why they do what they do. After further research in this area, two philosophical perspectives were found to be present throughout--determinism and free will. This added layer then took the play to an exploration of good versus evil and identity. Experimental philosophy was also a part of the research, with the play being its own form of experimental philosophy by asking its audience questions. The play serves not only as a creative way of questioning society's acceptance of certain behavior, but also a way of collecting scientific data from a test group--otherwise known as the audience. In this play, we start with a missing persons report and a girl who wants to understand just why her friend has been taken. With this curiosity comes great sacrifice as she is forced to find out the answers for herself. All of the characters struggle with a similar challenge of dealing with the completely new circumstances they find themselves in. Not only from the outside-in, but from the inside-out as well.

Milli-Gleeks: Merging Glee with the Talents of Millikin

Kaeuper Hall

10:15 a.m.-11:00 a.m.
Presenter(s): Nathan Bettenhausen
Project Advisor(s): Ted Hesse
Abstract/Description: The hit television show Glee has made quite an impact in America, as well as around the world. While everyone has their own opinion on the show's quality and value, it has indisputably put the spotlight on the performing arts. Glee's methods, from publicity to performance practices, have made a splash in schools, homes, on television, and in the music industry. I have analyzed Glee's Emmy-winning

and Billboard-topping formula and combined it with the knowledge I have gained during my career at Millikin University to create a show. This show brings a little taste of Glee right to Millikin and features some of the most dynamic hits and exciting highlights from Glee.

How Marketing Expense Affects the Change of Assets in Banks

SCO 212

10:15 a.m.-11:00 a.m.
Presenter(s): Stephen Eades
Project Advisor(s): Dr. Anthony Liberatore
Abstract/Description: Banks market products and services to customers everyday showing that their bank has to have the best interest rates, the best savings accounts, and the best customer service. I wanted to examine banks to see if the large marketing expenses actually lead to an increase in assets. By examining the 10-K's of the largest banks located in the Central United States, I was able to find and compare marketing expenses to assets to see if there was a correlation between them. Once the data was collected, I ran the numbers through E-Views to see if there was any correlation. With this data, I can show that banks use their marketing expenses well or they need to revamp their marketing program to more efficiently increase assets.

Celebrities in Crisis: New Strategies for Public Relations

SCO 213

10:15 a.m.-11:00 a.m.
Presenter(s): Hilary Osiecki
Project Advisor(s): Dr. Jeffrey Brand
Abstract/Description: Celebrity publicists are constantly faced with the challenge of protecting their client's image. Everyone makes mistakes, and celebrities are no exception. But unfortunately for today's stars, they have to have them captured and commented on by the paparazzi, tabloids, and gossip sources such as Perez Hilton and TMZ. While it is impossible to hide everything from the press, the skilled publicist can deflect most of the backlash and have their client come out on top. This project studies those expert moves, applies communication theories, and explores the path that a publicist should take when their clients finds themselves in crisis, in order to prevent them from falling out of stardom and becoming a has-been.

The Life Insurance Industry in the U.S. Economy

SCO 109

11:15 a.m.-12:00 p.m.
Presenter(s): Jackie Buhrmann
Project Advisor(s): Dr. Cheryl Chamblin
Abstract/Description: The life insurance industry is an important part of our financial sector, providing a variety of services to its customers, including term or permanent life insurance, investment annuities, and mutual funds. Life insurance is an integral component of many financial portfolios; about 70% of American households have some type of life insurance. However, there have been very few recent studies on the growth or health of the life insurance industry. My research attempts to answer questions such as "What is the current trend in the health of the life insurance industry, and how does that compare to the current trend in GDP?" and "Which major economic events have had an effect on the life insurance industry, and what has that effect been?", among others. To accomplish this, I have established which variables define the health of the industry, chosen a group of life insurance companies to represent the industry, and then used those variables to model the health of the life insurance industry over a period of time. Using these models, I examined historical data to find out how the life insurance industry has reacted to different economic events and changes and made an attempt to forecast the future health of the industry.

'Extreme' Counterpoint: A Study of Advanced Canonic and Fugal Technique

SCO207

11:15 a.m.-12:00 p.m.
Presenter(s): Kari Ringgenberg
Project Advisor(s): Dr. Michael Luxner
Abstract/Description: This project focuses on techniques used in canons and fugues that display a unique advancement in traditional counterpoint. The research helps explain the process

involved in composition and provides a connection between examples in various musical genres. Using works by composers such as Machaut, Bach, and Stravinsky, the analysis brings unity to a compositional span of more than 500 years as well as examines similarities and differences in the complexity that is 'extreme' counterpoint.

[Abstraction]

SCO 208

11:15 a.m.-12:00 p.m.
Presenter(s): Elizabeth Sherman
Project Advisor(s): Lori Bales
Abstract/Description: This is a play about a man and a woman, but it is hardly a love story. Specimens of governmental study, the two come to consciousness in a lab moderated by an ominous voice periodically prompting them through various exercises and questions. Ordinary enough upon first glance, we soon understand that this man and woman have never before existed in physical reality. They are victims of state-enforced Virtual Reality Living. Thanks to a new level of electronic technology sophistication, all aspects of life are conducted virtually online a la Second Life or The Sims. All physical bodies are tended to by teams of government nurses who make it seemingly unnecessary for citizens to leave the virtual world. Unplugged from the virtual system for scientific observation by the government, these adults are violently "born" into reality. As they discover -- for the first time -- their own bodies, vocal chords, and emotions in real time and space, they grasp desperately to comprehend their situation and its implications. And slowly, growing cognizant of sharing the room with another physical body, each begins to suspect that the only means of escaping this system may be to reach out across the room, across the void, and connect. So perhaps it is a love story. Of sorts.

The Social Enterprise Experience: Management Lessons for Private Corporations

SCO 212

11:15 a.m.-12:00 p.m.
Presenter(s): Kelsey Nihiser
Project Advisor(s): Dr. J. Mark Munoz
Abstract/Description: Social enterprises are organizations that seek answers to societal problems through business solutions. The solutions social enterprises implement cover a wide range of social issues: global poverty, lack of employment, unavailability of adequate water resources, among others. It is important for managers of social enterprises to be able to maximize the use of resources to make a profit as well as benefit society. Through secondary and primary research, this project seeks to answer the questions: How can managers most effectively manage day to day operations of planning, leading, controlling, and organizing? What key factors need to be considered for company growth? What are best practices employed by other social enterprises that managers can use to improve operations? By combining real-world experiences with strong theoretical backings, this research seeks to identify best practices for managers of social enterprises to help them create the greatest benefits for society.

How to organize a Triathlon: A Guide for Race Directors

SCO 213

11:15 a.m.-12:00 p.m.
Presenter(s): Emily Joines
Project Advisor(s): Linda Slagell
Abstract/Description: As Triathlons become more and more popular among fitness enthusiasts, it is important for race directors, both new and old, to understand all that is involved in the planning of such events. This information was gathered through research of books and websites devoted to triathlons as well as observation from both the view of a spectator and volunteer. This guide will contain information for general road race planning and triathlon specific planning. It will also include newer ideas for incorporation of technology and electronics during the triathlon. The hope behind this research project is that future race directors will use it as a guide and plan triathlons that are more organized and can be more successful..

Luncheon from 12:15 to 1:15 p.m.

Possible relationship between in vivo S-adenosyl-L-methionine hydrolase activity and quorum sensing in Escherichia coli

SCO 109

1:30 p.m.-2:15 p.m.
Presenter(s): Grace Walworth
Project Advisor(s): Dr. Jeffrey Hughes
Abstract/Description: Recent literature has documented a form of inter-bacterial communication molecules called autoinducers in the form of N-acyl homoserine lactone, a process called quorum sensing. By using quorum sensing, bacteria are able to aggregate together to form a biofilm and accomplish a more efficient environment than a single cell alone. In previous work with S-adenosyl-L-methionine (SAM) and its hydrolase (SAMase), cells transformed with a plasmid containing SAMase demonstrated clumping distribution throughout certain media. The biochemical pathway of SAM production and SAMase inhibition could be responsible for high amounts of Homoserine lactone byproduct being dumped into the media and used as an autoinducer. This research suggests that the SAMase-induced pathway alteration is in fact correlated to cell aggregation, as opposed to other mechanisms such as being entangled in elongated filaments, excess polysaccharide glue, or overall cell weakening.

Rapunzel: A Pastiche Opera

SCO 207

1:30 p.m.-2:15 p.m.
Presenter(s): Devin Kemp
Project Advisor(s): Dr. Nicole Leupp
Abstract/Description: This project draws from the entire genre of opera to create an original work. A Pastiche opera is a creative composition in which the author selects a story and sets arias, duets, and art songs within the storyline to create a cohesive work. This Pastiche will add to a genre that is rapidly becoming more popular, in the opera community. After extensive research of numerous fairytale and their origins, the story of Rapunzel was chosen as the skeleton for this Pastiche. Making use of the different versions and variations that the tale has taken through history and various cultures, a compilation was crafted for use as the narration for this opera. Research of many different composers' bodies of work yielded the arias and art songs that are set to this fairytale. The Opera Department, here at Millikin, has selected this Pastiche as the one-act opera that will be presented this spring. The author will be given the privilege of designing, casting, and directing this work.

Creativity, Love and Healing

SCO 208

1:30 p.m.-2:15 p.m.
Presenter(s): Meghan Walsh
Project Advisor(s): Annette Russo
Abstract/Description: Art therapy is a successful venue of psychological and physical therapy for cancer patients, as well as their caretakers and loved ones. By allowing them to channel their emotions, fears, and strengths through a productive means, the clients experience a reduction in stress, an open means of communication and expression, and improvement in overall wellness. Crazy Paint is an illustrated book directed towards children who are either coping with a loved one receiving cancer treatment or diagnosed with cancer themselves; it explains how art-making can help them express their fears and anger, as well as their love for their caretakers, ill loved ones, and themselves. Through open expression and safe communication, children who are experiencing a crisis (such as cancer) are aided in coping, rebuilding self-esteem, and, ultimately, healing.

OMG Im omw LOL: Effects of Electronic Communications on Written Language

SCO 212

1:30 p.m.-2:15 p.m.
Presenter(s): Sarah Thomason
Project Advisor(s): Judi Crowe
Abstract/Description: The introduction of electronic communications has triggered many changes in written language. New technologies such as SMS messaging, email, and social media sites have vastly replaced other traditional forms of written communications. These changes in communication

channels have brought with them alterations to written language such as development of acronyms, new vocabulary, loss of punctuation, loss of emotional conveyance, alteration to the structure of messages, increase in frequency of written communications, and much more. While certain traditional components of language are becoming scarce, new trends and practices are constantly emerging. While some language experts embrace the changes, others protest them. Arguments exist for both the positives and negatives of the changing language landscape. This project aims to conduct an analysis of how written language has been affected by advances in modern technologies, and what these changes reflect about our society and the characteristics of the written word.

Analysis of Crisis Communication During the Deepwater Horizon Oil Spill of 2010

SCO 213

1:30 p.m.-2:15 p.m.
Presenter(s): Sarah A. Reed
Project Advisor(s): Dr. Nancy Curtin
Abstract/Description: In 2010, British Petroleum (BP) was faced with an opportunity to execute their crisis communication plan during the Deepwater Horizon Oil Spill; however, BP's response failed to handle the crisis properly at the onset. In this study I use multiple methods: rhetorical criticism, surveys, and focus groups to analyze BP's crisis communication strategy in order to gauge public perception that exists about BP and BP's CEO. Artifacts examined using rhetorical criticism included: public opinion polls, articles, headlines, and user comments from online editions from newspapers in Louisiana. Twenty-three respondents completed surveys before participating in focus groups about their knowledge and perceptions of the oil spill. Conclusions from surveys determined that 96 percent of the respondents could recall British Petroleum's role in the spill, but 96 percent could not recall the name of its CEO at the time of spill. Overall, 48 percent of the respondents perceived BP's response as poor.

Using Stories and Games to Engage Young Students in Learning Spanish as a Second Language

SCO 208

2:30 p.m.-3:15 p.m.
Presenter(s): Danielle Osmond
Project Advisor(s): Dr. Christie Magoulias & Dr. Joyce Bezdicek
Abstract/Description: The purpose of this project is to provide parents and teachers of young children with an easy-to-use, engaging and effective approach to teaching Spanish as a second language. Over the period of one year, I collected and analyzed a great number of studies on the topic of second language education, discussed my findings with professionals in the field and built a pedagogical foundation upon which I have based my book of lesson plans. This project aims to combine the most highly effective theories and practices of second language instruction in order to get young children excited about learning Spanish and to help them achieve maximum gains in the second language acquisition process.

Dichterliebe: records in review

Kaeuper Hall

2:30 p.m.-3:30 p.m.
Presenter(s): Timothy Shirriffs
Project Advisor(s): Dr. Travis Stimeling
Abstract/Description: Dichterliebe is one of the most celebrated song cycles of all time. Written by Robert Schumann in 1840, it is a collection of poems by Heinrich Heine set to music and tells a personal story. As German poetry developed out of the Classical era in to the Romantic, a third person narrative about a noble man developed into a first person expression of (often) unrequited love and also told the story of everyday people like a Sheppard or a wandering traveler. In Dichterliebe, we know it is a lonely poet who is expressing his feelings, as the title translates to poet's love. Along with my performance of Dichterliebe, I have written a set of reviews by artists who recorded the cycle. I have selected recordings which represent a wide variety of historical periods, nationality of the performer and arrangements.

Saturday Presentations Continued from A8

War in the Workshop: an Orff Presentation SCO 208

3:30 p.m.-4:15 p.m.

Presenter(s): Megan Overbay
Project Advisor(s): Dr. Catherine Ming Tu
Abstract/Description: This project combines the practice of elementary general music Christmas/Holiday programs and the Orff Schulwerk methodology of teaching.

Dorian Gray: a Musical Kaeuper Hall 6:00 p.m.

Presenter(s): Joseph W. Bein
Project Advisor(s): Dr. Stephen Frech and Kevin Long

Abstract/Description: The purpose of this project was to convert Oscar Wilde's novel The Picture of Dorian Gray into a fully developed stage musical.

Senior James Millikin Scholars who completed their work in Fall 2011

Birth Stories: The Lived Experience of Giving Birth

Presenter(s): Meleah Ofcarcik
Project Advisor(s): Dr. Karla Luxner
Abstract/Description: For women, giving birth is a unique event. One of the best ways to learn about the experience from the mother's perspective is to simply ask her.

Extending versus establishing a brand in a virtual world: the case of the fashion industry

Presenter(s): Audra Davis
Project Advisor(s): Dr. Susan Kruml
Abstract/Description: This project takes a look at the retail fashion industry's interaction with

online shopping. A number of retailers can be considered "bottom-up", which means that they began doing business in physical stores before transitioning to the online world.

Chi Rho Sigma

Presenter(s): Whitney Vanderspoo-Snell
Project Advisor(s): Dr. Kay White
Abstract/Description: This project was designed to address morality issues in many Greek organization as well as provide students a positive place to explore their journey of faith.

responsibilities entrusted to them to better oneself and the group as a whole. The project is able to be viewed in manual form and is designed to be implemented at other universities.

Reviving an Honors Community: A Student-Driven Approach

Presenter(s): David Anderson
Project Advisor(s): Dr. Cheryl Chamblin
Abstract/Description: While Millikin's Honors Program has always had a strong curricular component, it was lacking a co-curricular element.

PRESENTATION SCHEDULE

FRIDAY APRIL 27TH

- CAS
CFA
Tabor
CPS
JMS
Honors Freshman
L-V Caterpillar
COS Poster

Grid showing presentation times from 8:00 a.m. to 5:00 p.m. with color-coded blocks for various presentations.

Table listing presentation topics and their corresponding room numbers, such as 'Student Publishing Enterprises' in MAC Lab and 'Research in Public Participation' in SH420.