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2013 Academic Excellence Showcase Proceedings

Western Oregon University

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THURSDAY, MAY 30, 2013

Proceedings of the 2013 Academic Excellence Showcase

Sponsored by:
The Honor Society of Phi Kappa Phi and The Program for Undergraduate Research Experiences
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Don’t want to carry around a proceedings from session to session?
For an electronic Showcase schedule and to download events to your mobile device or calendar, go to:
http://digitalcommons.wou.edu/aes_event/2013/
WELCOME

A Message from Mark Weiss, president, Western Oregon University

Western Oregon University’s Academic Excellence Showcase is one of my personal highlights as we draw close to the culmination of each academic year. It provides us all the opportunity to learn about the great work our faculty and students are accomplishing in the classroom and in the field; and, I enjoy spending the day attending as many presentations as are humanly possible.

The Academic excellence Showcase encourages students to demonstrate their research and scholarship, and allows the campus community to experience the varied scholarly and creative interests of our students. These abstracts of student presentations included in the Showcase Proceedings celebrate the pursuit of learning and knowledge. They are a representative sample of the achievements of WOU’s student body and we are duly proud of their accomplishments each year. I marvel at the way our faculty motivate and engage our students to “push the envelope” even further each successive year.

I want to thank the students who have chosen to share their work with us, and the faculty for nurturing and guiding the pursuits of our students. Western Oregon University commends your dedication and we are proud of all you do.

A Message from Stephen Scheck, vice president of academic affairs, Western Oregon University

Today’s Academic Excellence Showcase provides a snapshot of the engagements of academic discovery that take place everyday at WOU. And this snapshot reveals an academic community very rich in diversity of scholarship. We are a community where faculty encourage students to view learning as a dynamic process that extends beyond the traditional classroom. Where students are urged to pursue their interests and to commit to a process in which questions are asked and researched, and artistic works are created and performed. Whether the scholarship is conducted on the stage, in the laboratory, in the library or in the field – there is a shared experience of intellectual and personal growth. And this growth prepares one for a richer future.

It is a pleasure for me both to acknowledge the efforts of our students presenting their work today and to convey my appreciation to the faculty for their support of our students. I strongly encourage those students participating today as observers to become involved and to take advantage of the faculty’s eagerness to mentor you in your own engagement of

A Message from the Western Oregon University Program for Undergraduate Research Experiences – co-sponsor of the 2013 Academic Excellence Showcase

The Program for Undergraduate Research Experiences began in 2004, when a group of faculty formed a task force to examine the state of undergraduate scholarship at Western Oregon University. We were impressed by what we saw happening across the campus. We recognized that the research experience takes many forms – academic papers, exhibits, posters, laboratory investigations, performances, and service learning projects, to name just a few. The PURE task force identified numerous ways to help facilitate and enhance undergraduate research experiences at WOU. One recommendation—to facilitate greater participation by the entire campus in celebrating our students’ accomplishments—resulted in Academic Excellence Day. The Honor Society of Phi Kappa Phi, which had organized an Academic Excellence event for a number of years, partnered with PURE to sponsor the annual Academic Excellence Showcase. With our combined resources and planning committee, we developed a campus-wide event that has become a hallmark of the outstanding undergraduate experience offered at WOU.

Again this year, the campus community has responded enthusiastically to the call for participation, as evidenced by this impressive Proceedings volume. The Faculty Senate has encouraged faculty to cancel classes so students may attend the Showcase. Nearly 90 faculty and staff members from across campus have volunteered their time and energy to serve as session chairs and faculty sponsors. As a result of their efforts, more than 375 students are scheduled to present at this year’s Showcase. This exciting event celebrates some of the most remarkable academic accomplishments made by WOU students. We are very proud of their success and are honored to be a part of the 2013 Academic Excellence Showcase. We hope you will join us in attending as many sessions as possible and congratulating students on their outstanding scholarship.
Two recent research studies conducted in elementary schools in Mexico and in the U.S. (Dantas-Whitney, Clemente, & Higgins, 2012; Dantas-Whitney & Gabriel, 2012) illustrate successful classroom practices reflecting an asset perspective. The Mexico study was conducted in a fourth grade classroom where the students were learning English-as-a-foreign-language. The teachers were able to balance the use of the government-mandated materials with classroom practices that connected learning to the students’ social worlds and legitimized their local culture and shared language. They participated in activities (e.g., art projects and games) which allowed them to express their agency, expand their identities, critically examine complex issues, and imagine alternative possibilities for their lives. The U.S. study was conducted with first grade children of immigrant Latino families attending a school in rural Oregon. The teacher fostered the children’s development of bilingual identities through literacy practices that connected the school, the home and the community. She used dialog journals with parents and explored cultural content in a variety of academic assignments (e.g., national symbols and legends). In addition, the teacher always welcomed students’ parents into the classroom to read with the children and serve as guest speakers. The use of the children’s home language alongside English in this classroom served to legitimize the children’s shared language and culture, and equalize their status vis-à-vis English.

In addition to adopting an asset perspective, teachers must also combat deficit perspectives that reflect a “language-as-a-problem” ideology reproduced in many policies and practices in our schools today. Unfortunately, current educational reforms emphasize highly centralized policies through mandatory curricula and standardized tests. Bilingual learners are particularly disadvantaged because of an intensified hostility toward immigration, subtractive practices that view second language acquisition as remedial, and the marginalization of students and their families.

In addition to adopting an asset perspective, teachers must also combat deficit perspectives that reflect a “language-as-a-problem” ideology reproduced in many policies and practices in our schools today. Unfortunately, current educational reforms emphasize highly centralized policies through mandatory curricula and standardized tests. Bilingual learners are particularly disadvantaged because of an intensified hostility toward immigration, subtractive practices that view second language acquisition as remedial, and the marginalization of students and their families.

Teacher educators must encourage their teacher candidates to counter these deficit perspectives. One way to do this is to engage pre-service teachers in ethnographic research assignments. Ethnographic projects have the potential to provide teacher candidates with concrete situations and real-life experiences needed for meaningful personal reflection. Through a systematic process of conscious observation, detailed description and intensive analysis, candidates start building understandings about the contexts and communities they are studying. The objective of these assignments is to help them to make thoughtful
observations without quick leaps of judgment, to provide detailed descriptions based on situated experiences, to examine their own perspectives and learn about other ways of being. In a recent study conducted in a study-abroad program in Argentina (Dantas-Whitney, Cotton, et al., 2012), a group of pre-service teachers participated in such projects. They learned ethnographic techniques for data collection (e.g., participant observations, field notes, interviews, photographs) and analysis (e.g., rich description, thematic patterning, building emerging theories). They conducted their observations in settings they were used to frequenting such as their host families’ homes, cafés, restaurants, and parks. They interviewed members of their host families, their Spanish teachers, as well as other local acquaintances. The project helped them understand that all students, families, and classrooms are unique, and that there is no “one size fits all” solution to issues related to teaching and learning. Most importantly, it made them aware that their personal histories, beliefs, and attitudes can impact the way they teach.

References


ART

Session title: Visual Communication Design Portfolio Presentations
Session chair: Jen Bracy
Location: Instructional Technology Center (ITC) 205

Presentations
12:45 – 1 p.m., ITC 205
Emily Dieter
Faculty sponsor: Jen Bracy
Title: Senior Portfolio Presentation

1 – 1:15 - ITC 205
Elise Nibler
Faculty sponsor: Jen Bracy
Title: Senior Portfolio Presentation

1:15 – 1:30 p.m., ITC 205
Kelly Gray
Faculty sponsor: Jen Bracy
Title: Senior Portfolio Presentation

1:30 – 1:45 p.m., ITC 205
Michael Nguyen
Faculty sponsor: Jen Bracy
Title: Senior Portfolio Presentation

Session title: Senior Art Portfolio Presentations and Art History Paper Presentations
Session chairs: Jodie Garrison and Michael Freeman
Location: Campbell Hall (CH) 101

Presentations
8:45 – 9 a.m., CH 101
Amy Rizo
Faculty sponsor: Jodie Garrison
Title: Senior Art Portfolio Presentation

9 – 9:15 a.m., CH 101
Eric Loftin
Faculty sponsor: Michael Freeman
Title: Art History Paper Presentation

9:15 – 9:30 a.m., CH 101
Eric Thompson
Faculty sponsor: Jodie Garrison
Title: Senior Art Portfolio Presentation

11 – 11:15 a.m., CH 101
Heather Bansen
Faculty sponsor: Jodie Garrison
Title: Senior Art Portfolio Presentation

11:15 – 11:30 a.m., CH 101
Allason Fewx
Faculty sponsor: Jodie Garrison
Title: Senior Art Portfolio Presentation

11:30 – 11:45 a.m., CH 101
Sarah Joyce
Faculty sponsor: Jodie Garrison
Title: Senior Art Portfolio Presentation

11:45 – 12 p.m., CH 101
Darren Newby
Faculty sponsor: Jodie Garrison
Title: Senior Art Portfolio Presentation

3 – 3:15 p.m., CH 101
Shelby Morgan
Faculty sponsor: Michael Freeman
Title: Art History Paper Presentation

3:15 – 3:30 p.m., CH 101
Lloyd Dias
Faculty sponsor: Michael Freeman
Title: Art History Paper Presentation

3:30 – 3:45 p.m., CH 101
Dana Bergman
Faculty sponsor: Michael Freeman
Title: Art History Paper Presentation
**BIOLGY**

*Session title: Research in the Biological Sciences*

*Session chairs: Ava Howard and Jeffrey Snyder*

*Location: Werner University Center (WUC), Pacific Room*

**Posters**

2 – 4 p.m., WUC Pacific Room

**Anusha Hoda**<br>**Faculty sponsor:** Michael Baltzley

**Title:** Effects of Foot Size on Crawling Speed in Snails Using Different Modes of Propulsion

**Abstract:** Snails exhibit two types of locomotion, muscular waves of the foot and mucociliary propulsion. In groups of snails that use muscular contractions of the foot, crawling speed is positively correlated with size. It has been hypothesized that mucociliary crawlers lack this correlation between foot size and speed, but this has not been tested experimentally. We compared foot size vs. speed in the garden snail *Helix aspersa*, a muscular crawler, and the mud snail *Ilyanassa obsoleta*, a mucociliary crawler. We found that H. aspersa showed a slight correlation between foot size and speed while I. obsoleta did not show this relationship. When we compared crawling speed between the species, we found that H. aspersa was significantly faster than I. obsoleta.

2 – 4 p.m., WUC Pacific Room<br>

**Eric Serres and Alyssa Kruse**<br>**Faculty sponsor:** Erin Baumgartner

**Title:** Serotonin Influence on Habitation of Crayfish Tailflip Response

**Abstract:** Crayfish, when stimulated, engage in a stereotyped tailflip escape response controlled via three different neuronal circuits. Two circuits are sensory and mediated via command neurons, Medial Giant and Lateral Giant Neurons. The third circuit is not mediated with a command neuron, requiring more integration, which the response more flexible. In all circuits, repeated stimulus leads to reduction of response, or habituation. The neurotransmitter Serotonin (5-HT) has been found to affect the tailflip response by enhancing the response to sensory stimuli. In this study, the habituation rates of these three circuits are compared in crayfish (*Procambarus clarkii*) with varying levels of 5-HT. Preliminary data indicates the non-command circuit habituates faster.

2 – 4 p.m., WUC Pacific Room<br>

**Morgan Livingston**<br>**Faculty sponsor:** Erin Baumgartner

**Title:** Optimal Foraging in Sciurids and Corvids

**Abstract:** Squirrels (*Sciurus sp.*), Crows (*Corvus caurinus*), and Western Scrub Jays (*Aphelocoma californica*) are animals that exhibit optimal foraging behavior. To develop a field investigation that can be used by students in the BI 360 Animal Behavior course to investigate foraging methods of these local species, animals were presented with a variety of nuts, both with and without shells, in various combinations to see what food preferences they have. Pre-weighed nuts were placed out in trays for variable amounts of time and periodically observed for visits by target species. Following observation periods, nuts were re-weighed. I will be developing field protocols to include experimental and data collection techniques that will enable future WOU biology students to demonstrate optimal foraging behavior in these easily observed species.

2 – 4 p.m., WUC Pacific Room

**Alexandra Harding**<br>**Faculty sponsor:** Bryan Dutton

**Title:** The Monmouth Street Tree Inventory Project

**Abstract:** The Monmouth Street Tree Inventory Project is an ongoing endeavor to collect distribution and life history data on the street trees in Monmouth, Ore. One of the primary objectives of the project is to provide the city of Monmouth with information regarding the identity and maintenance needs of these trees. Data was collected from trees occurring in planter strips throughout the city. These data included tree location, species name, and health and management concerns. Following collection, the data were entered into a Microsoft Excel spreadsheet and were linked to a Web-based geographic information system (GIS) specifically created for this project. The GIS will ultimately provide online access to these data for a broad audience both within Monmouth and beyond. Additional project outcomes will include a Web-based interactive plant identification key and species descriptions of the street trees found in Monmouth.

2 – 4 p.m., WUC Pacific Room

**Aquilegia Leet**<br>**Faculty sponsor:** Patrick Aldrich and Bryan Dutton

**Title:** Assessing Plant Species Diversity in the Luckiamute River Basin, Central Oregon Coast Range

**Abstract:** Investigating plant diversity patterns is important for assessing impacts of invasive species on plant communities. Statistical analyses of diversity patterns between native and non-native plant species along the Luckiamute River Basin were conducted to study these impacts. Twenty transects, with up to 100 quadrats, oriented perpendicular to the river or creek channel were analyzed for species diversity, species cover and light abundance. The Shannon Weiner index was used to measure the diversity of species within and between transects. Analyses showed that 22.4 percent of total species surveyed were not present within the first 29 meters of each transect along the river or creek channel. Boxplots were also generated for a visual comparison between transects and the first quadrant within each transect. These data support the delineation of a riparian and non-riparian zone and suggest that invasive species have differentially impacted native communities resulting in heterogeneous assemblages of native and non-native species throughout the river basin.
Decline in the Health and Vigor of Oregon White Oak

Oregon white oak (OWO) is a dominant component of savannah and woodland habitats that were once a large part of our landscape. Land use changes have removed much of this habitat and have threatened or endangered species. We hypothesized that changes in competition are associated with decline in OWO vigor. We selected six OWO that were healthy and six that showed declining health. We measured growth and health of each study tree and assessed competition from surrounding trees in a 16 m radius. OWO study trees had similar height, but trees with good health had larger mean trunk width than trees with declining health. Dominance of Douglas firs was high, and tree density was 2.5 times greater in declining OWO plots compared to healthy OWO plots. These results support the hypothesis that shade intolerant OWO are declining as forest density and Douglas fir dominance increases.
inoculated with *Pseudomonas fluorescens*, a gram-negative bacterium ubiquitous in soil. Depending on the bacterial concentration used, *Drosophila* exhibit slower larval growth, morphological abnormalities and death. By monitoring the effects *P. fluorescens* has on *Drosophila*, insight into the functioning of the human innate immune system may be possible. The goal of this study is to identify the bacterial metabolites responsible for the immune response, eventually leading to the identification of the molecular pathways involved in the innate response.

**BUSINESS AND ECONOMICS**

**Session title:** Business and Economics  
**Session chair:** Jennifer Yang  
**Location:** Werner University Center (WUC) Calapooia

**Presentations**

10 – 10:30 a.m., WUC Calapooia Room  
**To be announced**  
**Faculty sponsor:** Jennifer Yang

**Title:** Organizational Analysis of the Gentle House  
**Abstract:** Students from BA 361 Organizational Behavior researched the Gentle House on the Western Oregon University campus and interviewed its representatives to get an in-depth understanding of how the Gentle House operates. The students conducted an organizational analysis and prepared a case study on background, current environment, organizational programs, and leadership. Based on the analysis, the students developed recommendations for the Gentle House going forward.

10:30 – 11:15 a.m., WUC Calapooia Room  
**To be announced**  
**Faculty sponsor:** John Leadley

**Title:** Econometric Analysis  
**Abstract:** Analysis of a research question by applying ordinary least squares regression techniques to a data sample. The statistical significance of three or more independent variables will be determined. Potential problems, such as multicollinearity, heteroskedasticity, and simultaneous equations will be examined.

11:15 – 11:50 a.m., WUC Calapooia Room  
**Robert Galentine and Aria Garau**  
**Faculty sponsor:** Paul Disney

**Title:** Strategic Analysis for GM in Australia  
**Abstract:** Country strategic analysis overview with emphasis on these specific areas:  
- Competition assessment  
- Political Risk assessment  
- Economic Risk assessment  
- Technology assessment  
- Legal assessment  
- Cultural profile  
- Management considerations  
- using GLOBE categories  
- Strategic alliance recommendations

**CHEMISTRY**

**Session title:** Chemistry Capstone Seminars  
**Session chair:** Arlene Courtney  
**Location:** Natural Sciences (NS) 101

**Presentations**

10:30 – 11:10 a.m., NS 101  
**April R. Stratton**  
**Faculty sponsor:** Arlene Courtney

**Title:** Don’t Run with Scissor Sisters  
**Abstract:** Forensic stable isotope analysis of human hair aims to assist law enforcement in the identification process by providing information on an individual’s geographic life history. The variations in isotope abundance due to fractionation of hydrogen, oxygen, carbon, and nitrogen reflect the isotopic make-up of water and food a person consumes. Utilizing space and time variations in isotope ratios, law enforcement can concentrate their efforts in specific regions using Isotope Ratio Mass Spectrometry. This is particularly useful in cases where the body is deliberately dismembered or too compromised where the lack of distinguishing features hinder identification.

11:15 – 12 p.m., NS 101  
**Katherine Brean**  
**Faculty sponsor:** Arlene Courtney

**Title:** Using Autopsy to Solve for Time, Manner, and Cause of Death
Abstract: The job of the medical examiner (ME) may seem easy when all you ever see on CSI or NCIS is the fundamentals. Much more goes into an autopsy. The ME determines the time of death using the deceased body temperature, eye clarity, purification and stomach content. They are required to perform a meticulous external exam using microscopes and UV light to find evidence; followed by cutting open the body to carefully search for clues as to the manner and cause of death. On CSI or NCIS the ME just tells the team his findings, but in actuality they are required to write a full report on their findings, test results and opinion as to the cause of death.

1 – 1:40 p.m., NS 101
Julia Gabriels
Faculty sponsor: Arlene Courtney

Title: Fake Weed, Real Problem

Abstract: Marijuana has proven to be a never ending controversial issue in all aspects of society. Tetrahydrocannabinol, THC, is the active constituent in marijuana. It poses several beneficial uses in medicine and the management of anxiety. Because of its psychoactive nature, THC stimulates hallucinations that can be very dangerous when mixed with the stimulant and depressant effects. Research has aided us with a new class of compounds that mimic the beneficial effects of THC without the hallucinogenic effects. Synthetic Cannabinoids. These compounds were intended for improving medicinal purposes and treatment of AIDS. Slight modifications were made to their structures to study the effect on the receptors in the brain. However, synthetic cannabinoids quickly became a drug of abuse since traditional detection methods used to identify THC no longer work. There is now a demand for new technology in the toxicology field to identify the individual families of synthetic cannabinoids in various specimens.

1:45 – 2:25 p.m., NS 101
Mariah Alanis
Faculty sponsor: Arlene Courtney

Title: Tetrodotoxin, a Highly Toxic and Delicious Delicacy

Abstract: An introduction and evaluation of Tetrodotoxin (TTX) which is a very toxic poison found in many marine and terrestrial animal species. Despite the toxicity of this highly potent toxin, many foreign countries find TTX a delicious and highly requested delicacy; however, many individuals may not understand the dangers surrounding consumption. By attending this seminar, an individual can gain an enhanced understanding of the production, distribution and role of TTX in nature as well as the various effects of TTX exposure. A further understanding of TTX will be gained through the illustration of toxicity through a comparison to other toxins, followed by a synopsis on the current research being conducted in search of an antidote and the implications of potential medical uses.

2:30 – 3:10 p.m., NS 101
Alyssa Palmer
Faculty sponsor: Arlene Courtney

Title: The Foundation for Cancer Research – The Human Genome Project

Abstract: Cancer is widespread and devastating. Cancer research is an area of study that affects everyone personally, directly or indirectly. The procedures for classification and treatment range from simple techniques to more complex ones, and evolve as the research does. Besides the various classifications of the cancers, research, and the constant development of the instrumentation and techniques used, cancer research is a process rather than an end result because of the nature of cancer itself. Mutations do not happen in a structured manner, but occur more randomly. The foundation for current cancer research practices was established with the Human Genome Project. This project pulled in researchers from a variety of disciplines to create a map of the human genome, or genetic coding material. Gel electrophoresis, gas chromatography-mass spectrometry, and radiation-hybrid mapping are examples of some of the instruments and techniques implemented to make mapping the human genome a success.

3:15 – 3:55 p.m., NS 101
Nicholas Guisti
Faculty sponsor: Arlene Courtney

Title: Global Warming, the CO2 Story

Abstract: This talk is to provide a deeper understanding of the effects of CO2 on the environment and the causes of global warming. Global warming and the interaction of CO2 with our environment is a divisive topic today, but many people do not know the basics behind it. The presentation will illustrate the information required to make an enlightened stance on the subject of global warming. The following will provide a brief informative speech addressing the history of CO2, the effects of CO2 on the environment, the basics of CO2 and its chemical attributes that make it such a problem, and the technologies being developed to help reduce and control it.

COMPUTER SCIENCE
Session title: Capstone Projects in Computer Science
Session chair: David Olson
Location: Instructional Technology Center (ITC) 211

Presentations

6 – 6:15 p.m., ITC 211
Matt Hurliman, Zachary Knowles, Winnie Evans, and Derek Li
Buffer Algorithm

Title: Finish My Story, Bro!

Abstract: “Finish my story, bro” is a Web application that allows users to work together to create a short story. Multiple players join and start a game. Each player has a minute to write the first segment to begin the story. All of the segments are then displayed for the players to vote on their favorite segment. Once voting is complete, the segment with the most votes is selected as the winner and is displayed on the “storyboard”. This continues for a selected number of rounds until it is time for the conclusion round. Once the game is complete, the points are tallied and a winner is declared.
6:15 – 6:30 p.m., ITC 211
Andrew Gandara, Richard Wheeler, Eddie Almejo, and Weixen Gao
Signature Software

Title: YouView

Abstract: Our client wants us to create a website that will allow users to watch videos and listen to music in a synced environment, as well as to have the ability to chat with each other either with text or through voice and video. You will be able to have the ability to call drinks to whatever is going on in the video and that will be broadcasted to all the users that are currently connected. This will let you be able to have drinking games based off of the movie that you are watching. The video playlist will be curated by the moderators and administrators, and users will be able to vote music and videos up and down. The playlist when it reaches the end will be reformatted by number of votes and rating. Users will be able to request new music or videos be added to the playlist.

6:30 – 6:45 p.m., ITC 211
Charlie White, Daniel Miedema, and Michael Lynch III
Synergistic Development

Title: Humble Abode

Abstract: Humble Abode is a site where you can post one or more properties that you are willing to swap with other users. Post a property, browse for places you want to visit and propose a swap. Enjoy your vacation without worrying about the high price of lodging.

7 – 7:15 p.m., ITC 211
Zachary Hiatt, Mengru Gao, Allen DeArmond Sattler, and Nicholas Stockton
Convex Engineering

Title: Outdoor Expeditions

Abstract: Outdoor Expeditions is a social networking site designed around the creation of communities and finding fun activities which interest you. You may find and join communities which are related to your interests and create events for everyone in that community to take part in. By allowing people to find new activities based on their interests, we encourage our users to expand their horizons and become a community based off sharing their experiences.

7:15 – 7:30 p.m., ITC 211
Shannon Busher, Mengdi He, and Matt Seidlitz
Grey Sky Software

Title: The Tool Lending Library

Abstract: The Tool Lending Library Web application bridges the gap between users and allows people who would like to lend out their tools to find people to who would like to borrow them. This web application is simple to use, is a free service to the community, and keeps track of all users, tools and transactions.

7:30 – 7:45 p.m., ITC 211
Michael Cunha, Marshal Leslie, and Wenting Xie
Northwest Enterprises

Title: The Frugal Gamer

Abstract: The Frugal Gamer is a Web application that provides gamers with utilities to generate local game trading communities at their respective universities. Users will be able to browse and post listings for games, and through various automated services will be able to get connected with vendors, getting games for cheaper than retail price from someone within walking distance. Using our system, gamers will no longer be restricted by the limitations of commercial retailers and online shops. Furthermore, our application serves as a hub for gamers, with custom user profiles, vendor feedback, and email communications among a long list of various networking features. By the gamers, for the gamers.

7:45 – 8 p.m., ITC 211
Wesley Parker, David Anderson, David Calawa, and David Pouliot
Genetic Solutions

Title: Dynamic Web Site

Abstract: Our project is a dynamic website for Central Baptist Church. The primary feature of this website is the church staff will be able to edit, create and delete any of the pages and content of this site with no expertise of web programming needed. Our site adds some specific functionality and formatting that the client requested that they cannot get from the typical website builder, such as the ability to upload and stream audio files.

Session chair: David Olson
Session title: Individual Software Projects
Location: Instructional Technology Center (ITC) Third Floor

Posters

9:30 - 11 a.m., ITC Third Floor
Winnie Evans

Title: PlaceMe

Abstract: PlaceMe is a virtual geocaching application in a social networking fashion. You can leave a PlaceMe picture for your friends when you visit a location that you love. Once you log your coordinates, your friends will visit the location and open their camera on their smart device. If an image appears in the camera, then they have placed you! Earn points by placing the most and enjoy knowing where the “in” places are!
9:30 – 11 a.m., ITC Third Floor
Andrew Gandara

Title: Tap It

Abstract: This non-stop action will challenge you to tap it, side it, tilt it, turn it, and shake it. Fun for all ages, Tap It can be played solo or in a group/party setting. Tap It builds memory and concentration, all while trying to keep up with the beat. Test your reflexes by following the directions before the time runs out, and you could find yourself at the top of the score charts.

9:30 – 11 a.m., ITC Third Floor
Daniel Miedema

Title: aGHC

Abstract: a Github client for iOS that has the ability to modify files from your phone as well as perform common tasks such as repository forking, staring and watching.

9:30 – 11 a.m., ITC Third Floor
Nicholas Stockton

Title: Mind the Drop

Abstract: In this take on a classic childhood toy, you control a set of balls and navigate them into holes or balance them on divots to score points and pass the level. You’ll have to navigate around obstacles to win though, and you may find you lose your ball...

9:30 – 11:30 a.m., ITC Third Floor
David Calawa

Title: Paint By Blob

Abstract: A paint program for Android where you tap the screen to set down a blob of paint and then tilt the Android device to make the paint run across the canvas. You can set the transparency and color of the paint, as well as how quickly the paint blob shrinks as it runs and how fast the paint runs. The program can be set to either ignore or take into account movement of the device in addition to tilting. The program also includes the ability to save and load paintings.

9:30 – 11 a.m., ITC Third Floor
Allen DeArmond-Sattler

Title: Tap Mania

Abstract: An Android application for playing a reflex-testing game that tests your mind’s ability to hear actions and repeat them gradually faster. Commands are called out and/or shown on the screen and they must be performed within the time limit to continue the game.

9:30 – 11 a.m., ITC Third Floor
Matt Hurliman

Faculty Sponsor: Scot Morse

Title: Pong 3D

Abstract: Pong is back and it brought with it a whole new dimension! Be the pong paddle in this modern 3D twist of the classic game, while your Android device’s motion sensor determines your movements. Compete head-to-head against friends or battle for the high score in single player mode.

9:30 – 11 a.m., ITC Third Floor
Matt Seidtitz

Title: Twisted Fingers

Abstract: Much like the classic game Twister, Twisted Fingers has players touch specific colors with specific fingers as directed by the application. The Kindle Fire HD has the capability of sensing up to ten individual locations allowing for up to ten fingers to interact with the game.

9:30 – 11 a.m., ITC Third Floor
Lyubov Bilobrovchuk

Title: Hit the Spot

Abstract: The game has a map of spots located on certain distances from a player. Once a player chooses a spot, he/she imitates a throw of a device to hit the spot. If the player hit the spot, he/she earns points for a particular spot, if not, he/she earns nothing.

9:30 – 11 a.m., ITC Third Floor
Shannon Busher

Title: The Guardian

Abstract: An Android application that allows you to set an estimated safe travel time as you travel across dark parking lots and streets. If you do not turn off the countdown which indicates your safe arrival at your destination an alarm is sounded on the Android device and your predetermined in case of emergency contact is contacted. Your location via GPS technology.

9:30 – 11 a.m., ITC Third Floor
Mengru Gao

Title: Plate Spinner

Abstract: An Android game that if you touch the screen let your plate spinning and keeping doing don’t let your plate stop.

9:30 – 11 a.m., ITC Third Floor
Arthur Anderson

Title: Crayon Melt

Abstract: Crayon Melt is a virtual painting application for
anyone that wants to try the new art form using melting crayons without the mess of the actual medium. It allows you to place different colors on the page then manipulate the direction to the melting crayons flow by tipping the device the direction that you want it to flow.

9:30 – 11 a.m., ITC Third Floor
Michael Lynch
Title: WordSmith
Abstract: Enhance your mind with WordSmith, a challenging word game that combines strategy and skill with words into one. Create words from letters on the board; but beware, any letters that you skip will disappear forever. Create longer words and minimize lost letters for huge bonuses to become the ultimate WordSmith!

9:30 – 11 a.m., ITC Third Floor
Eddie Almejo
Title: Balance
Abstract: A challenging game that entertains individuals of all ages. Control the balance beam and balance the ball at play, as time goes by additional balls are added. The game concludes when the balance beam can no longer balance the balls. How many balls can you balance before you lose control?

9:30 – 11 a.m., ITC Third Floor
Wesley Allen Parker
Title: Find Me a Better Way
Abstract: Find Me a Better Way is an Android application that allows a user to input GPS coordinates, or use geocoding to obtain the GPS coordinates of a known location. These coordinates are then used to approximate an optimal path for visiting all of the coordinates in that route, as well as driving directions for that route.

9:30 – 11 a.m., ITC Third Floor
Michael Cunha
Title: Split
Abstract: Split is an interactive simulation for Android created to test the user’s ability to make split second decisions. Given two traffic lights that appear suddenly, the user is to turn their phone in the direction of the green light. With many random factors in place, like timing and positioning, the user will have to make ad hoc decisions in a very short time frame. The simulation concludes when the user either fails to make a decision on time, or turns their phone towards a red light a certain number of times. It keeps track of the user’s average reaction time and error ratio. How capable are you of thinking on your feet?

9:30 – 11 a.m., ITC Third Floor
Zachery Knowles
Title: ePet
Abstract: ePet is a virtual pet that lives in your device. Feed it and raise it however you want. Enter it in competition mini games to win toys and furniture for your pet’s home. ePet is a great game for young kids.

9:30 – 11 a.m., ITC Third Floor
David Pouliot
Title: Voice Manipulator
Abstract: The Voice Manipulator is an android application that records your voice and allows the user to manipulate their voice on playback. In addition to an equalizer it allows the speed of the playback to be altered and has a few other special effects.

9:30 – 11:30 a.m., ITC Third Floor
Richard Wheeler
Title: iShop
Abstract: A shopping list management application for iOS devices. It will keep track of what groceries you have in your house and what you need to buy. It will also let you add and maintain a recipe list and show you what foods you have available for those recipes. You can add foods in either manually or by scanning them with your phones camera.

9:30 – 11 a.m., ITC Third Floor
Charlie White
Title: Gear Shiftz
Abstract: This application simulates a real gear shift on a stick shift car so you can actually feel like you’re driving a car. Equipped with interactive sound, displays of your vehicle and more. With GearShiftz, no longer will you be bored when your wife insists that she can drive her own car on long road trips, or when you take the dog out for a walk. Humor your imagination!

CRIMINAL JUSTICE
Session title: Criminal Justice Posters
Session chair: Misty Weitzel
Location: Werner University Center (WUC) Pacific Room

Presentations
9 – 11 a.m., WUC Pacific Room
Jerielle Raibley
Faculty sponsor: Misty Weitzel
Title: Ancestral Analysis of Adult Homo sapien Skulls Using Non-Metric Methods
Abstract: Forensic anthropologists are charged with providing law enforcement officials with the biological profile of an unidentified set of remains. This includes age, sex, stature,
estimated time since death, and ancestral identification. The objective of this study is to familiarize myself with and test the accuracy of several non-metric anthroposcopic methods of ancestral classification commonly used in a forensic setting. Materials include five skulls of known biological origin. Ten metric methods of analysis are used. Traits for this study have been drawn from the works of George Gill and Steven Byers.

9 – 11 a.m., WUC Pacific Room
**Devin Lowrey and Jonathon Lewis**
*Faculty sponsor: Misty Weitzel*

**Title:** Age and Sex Estimation of an Unidentified Human

**Abstract:** This project seeks to add to the profile of a currently unidentified individual and demonstrate techniques for assessing the sex and age of human remains. An inventory of the remains was conducted, accounting for skeletal condition and presence or absence of bones. Using previously accepted standard methods, the sex and the age will be assessed using metric characteristics: sternal length and long bone circumference, and non-metric characteristics: morphology of the sciatic notch and preauricular sulcus. A previous study of these remains used epiphyseal unions to narrow the age range to between 20 to 25 years (Lewis 2012).

9 – 11 a.m., WUC Pacific Room
**Megan Barber**
*Faculty sponsor: Misty Weitzel*

**Title:** Ancestry Estimation Using FORDISC 3.0

**Abstract:** This research involves determining the ancestral characteristics of five human skulls using the FORDISC 3.0 software from University of Tennessee and displays how this will become useful in archaeological settings. The software compares components that will differentiate between ancestral groups. Specific measurements will be shown that were used to assess the dimensions of the skull as data points. The information gathered from physical measurements and data retrieved from the software will be interpreted using interactive discriminate functions through the data base. Not only will the audience learn where a specific skull likely originated from, they will also be able to understand the process of making this determination.

9 – 11 a.m., WUC Pacific Room
**Megan Stinson and Vicki Bergquist**
*Faculty sponsor: Misty Weitzel*

**Title:** Effects of Sharp Force Trauma on Defleshed *Sus domesticus* Long Bones: An Examination of Channel Characteristics and Fracture Patterns

**Abstract:** The purpose of this study was to determine the plausibility of identifying the class of weapon behind sharp force trauma based on fracture patterns and channel characteristics. The researchers used a variety of instruments to inflict sharp force trauma to the defleshed femurs of domestic pigs (*Sus domesticus*). The fracture patterns as well as any striations or unique channel characteristics were analyzed using Leica EZ4 binocular microscopes. The results indicate that it is possible to narrow the class (axe, long bladed knife/machete, toothed instrument, etc.) of sharp force trauma inflicted upon the long bones.

9 – 11 a.m., WUC Pacific Room
**Meloni Morrison and Sierra Schlundt**
*Faculty sponsor: Misty Weitzel*

**Title:** Heat vs. Blunt Force Trauma on Cremated Remains

**Abstract:** We developed a scene depicting blunt force trauma to an individual’s bones that were burned. We burned a skeletonized femur from a domestic pig (*Sus domesticus*) in a control and secondary pit. In the control nothing was done to alter the femur prior to burning. The bone in the secondary pit was hit with a hammer to simulate blunt force to the distal end. The bones in the two pits burned for one hour. We then extinguished the fire with water to mimic rain. We examined bone shrinkage, color changes, and signs of blunt force trauma and compared the two femora. The findings indicate that there is no noticeable difference between the two femora that would differentiate between changes induced by blunt force trauma and those due to solely fire.

9 – 11 a.m., WUC Pacific Room
**Rita Schneider and Gregory Meza**
*Faculty sponsor: Misty Weitzel*

**Title:** Defleshing Skulls: Distilled Water vs. Sea Water

**Abstract:** Defleshing bone is a necessary process in forensic anthropology investigations. Research on defleshing has shown that a standard method is currently lacking in the field. In this project, we will compare two types of defleshing methods used on domestic cow (*Bos taurus*) skulls. Methods include heating a defleshed a skull in distilled water versus heating in distilled water and rock salt to mimic the salinity of sea water. Each method will be compared to determine its effectiveness on the bone in relation to the relative ease, speed, and resources needed to deflesh the domestic cow.

9 – 11 a.m., WUC Pacific Room
**Jake Gordon, Spencer Campbell, Lisset Lopez Urenda, Nicole Cobb, and Tamora Herrman**
*Faculty sponsor: Misty Weitzel*

**Title:** Ellis Island and Angel Island Connections to Race

**Abstract:** Both Ellis and Angel Island have interesting connections with the concept of race in the United States. To better show others and inform ourselves about these important parts of history we have researched several key points. We examined the effects of administering racially biased IQ testing and the required “ideal” physical traits, and the desire of immigrants to assimilate into society. Lastly, we have illustrated the legacy of these two influential locations, which was a shift in racial thought, due to a changing immigrant demographic.
Title: The Benefits of a Criminal Justice Practicum Experience

Abstract: Many criminal justice undergraduates, including those at Western Oregon University, have opportunities to earn academic credit for completing internships. There is widespread recognition these activities benefit students in a variety of ways, yet many questions remain unanswered. Relatively little is known about the positive outcomes a practicum experience can have on an individual’s education. This study of self-report surveys provides some insight into the students’ opinions and thoughts on these topics. Specifically, we examine the students’ rating and importance of completing a practicum, and how it enhanced their overall educational experience. Our findings suggest that students have positive internships and it is very beneficial to their education.

COMMUNICATION STUDIES
Session title: Public Address in the Political Sphere
Session chair: Emily Plec
Location: Health and Wellness Center (HWC) 205

Presentations

1:30 – 1:45 p.m., HWC 205
Emily Plec

Title: Introduction

1:45 – 2 p.m., HWC 205
Laura Miller
Faculty sponsor: Emily Plec

Title: Tom McCall: A Rhetorical Analysis of his 1973 Speech to the Legislature

Abstract: In my presentation I analyze former Governor Tom McCall’s Legislative Message in 1973. His speech to the Legislature was a message of urgency to admire how wonderful Oregon is and continue to fight for its beauty and preservation and rights for its citizens. I will examine how Tom McCall uses persona, exigency, and goodwill in his speech to the Legislature to promote bills and regulations that will help sustain the beauty of Oregon.

2 – 2:15 p.m., HWC 205
Molly Stubblefield
Faculty sponsor: Emily Plec

Title: We must Act: Al Gore’s Nobel Prize Acceptance Speech

Abstract: In this presentation I look into the background of Al Gore, highlighting how his past experiences affected his capabilities as an effective rhetor on environmental issues. Furthermore, I analyze his Nobel Prize Acceptance Speech, considering his identification with his audience, his use of facts and statistics, and his use of narrative and metaphor to effectively persuade his audience. These elements of audience analysis, sound reasoning, and style contribute to Gore’s rhetorical persona and account for his success as a rhetor.

2:15 – 2:30 p.m., HWC 205
Annie West
Faculty sponsor: Emily Plec

Title: Changing the Face of an Epidemic: Elizabeth Glaser and Mary Fisher at the 1992 National Conventions

Abstract: The 1980s in US history marks a decade of exploring the unknown and, in a continuation of the 70s, a pushing of the preset boundaries surrounding government regulations, medical research, and the discussion of sexual health. Among those fighting for change were Elizabeth Glaser and Mary Fisher, two mothers who changed the face of the AIDS epidemic in their National Convention Speeches. In my paper, I apply Bitzer’s rhetorical situation and a rhetorical approach to identity in order to show how both Glaser and Fisher used their individual exigencies and identities to respond to a national and international crisis that had been largely ignored and misunderstood by the public.

Session title: Communication and the Labor Movement
Session chair: Emily Plec
Location: Health and Wellness Center (HWC) 205

Presentations

2:30 – 2:40 p.m., HWC 205
Sarah Rice
Faculty sponsor: Emily Plec

Title: IAMAW & Boeing

Abstract: The Boeing Company’s history and the association with the International Association of Machinist and Aerospace Workers (IAMAW) are brought to life in this educational video. The collaboration of Boeing and its labor union force is portrayed in both a historical and current context of the economic culture. The Boeing Strike of 2008 is evaluated by determining how instrumental the IAMAW was to the Boeing employees. Through unity and support, the IAMAW was able to complete a successful strike against one of the top aerospace companies in the world, Boeing.

2:40 – 2:50 p.m., HWC 205
Katie Herold
Faculty sponsor: Emily Plec

Title: Wisconsin Shows What Democracy Looks Like

Abstract: This video is designed to show what happens when public employees – especially teachers – are faced with threats to their economic future. In 2011 in Wisconsin, the governor proposed a bill that would harm their union rights as employees, and the citizens made their opinions very clear. With powerful imagery and a strong united front, hundreds of thousands gathered at the Capitol in protest. This video will explain the importance of the protest in relation to labor history as well as the impact it will have on future protests.
Session title: Top Papers in Media & Rhetorical Criticism
Session chair: Emily Plec
Location: Health and Wellness Center (HWC) 205

Presentations

3 – 3:15 p.m., HWC 205
Ashley Greer
Faculty sponsor: Molly Mayhead

Title: Rent: A Narrative Criticism

Abstract: This paper is a narrative analysis of the film adaptation of the Broadway musical Rent. Fans of this production have felt a strong connection and loyalty to the characters since the day the show opened. Using rhetorical criticism I was able to take a closer look at how and why this musical has resonated so strongly with its audience. After formulating my research question, I focused on the following areas: the film’s strong theme of love and friendship, character development, events, temporal relations, and finally the film’s attempt to bring light to controversial issues. I found through analysis that the narrative of Rent holds great importance in the sense that it has been a strong voice for many members of discriminated communities.

3:15 – 3:30 p.m., HWC 205
Annie West
Faculty sponsor: Emily Plec

Title: Rising From the Ashes: Sherlock as an Example of Integration through Destruction

Abstract: In this paper, I analyze the British Broadcasting Corporation’s (BBC) show Sherlock, using episode three of season two, “The Reichenbach Fall” as the central focus. I use Jung’s psychoanalytic approach to the psyche, Sigmund Freud’s pleasure principle, and Christian Metz’s explanation of voyeurism to analyze the events within the episode and their significance. I argue that there are two major archetypes represented within the episode by the two main characters, Sherlock Holmes and James Moriarty. Furthermore, I propose both Freud’s pleasure principle and Metz’s definition of voyeurism offer explanations for the actions taken by both characters. I conclude by showing how Sherlock, as a character, exemplifies the integration of the psyche through destruction, the integration that we as a society cannot have.

3:30 – 3:45 p.m., HWC 205
Sarah Kathrein
Faculty sponsor: Molly Mayhead

Title: Zombie Apocalypse America: It’s a Man’s World

Abstract: In recent years, a new craze has taken over the media. This zombie obsession has been led by AMC’s television series, The Walking Dead. This presentation looks at the rhetorical discourse of the hit drama’s first season by approaching it through the application of feminist criticism. The primary research question for this paper was: In what ways does the television show, The Walking Dead, reinforce sexist stereotypes against women? This presentation tries to answer this question by addressing the verbal, nonverbal, and symbolic actions within the series which reinforce gender stereotypes and promote patriarchal standards in society.

DANCE

Session title: Academic Excellence in Dance
Session chair: Sharon Oberst
Location: Maple Hall (MH)

Presentations and performances

9 – 9:15 a.m., MH
Amanda Parrino
Faculty sponsor: Sharon Oberst

Title: Dancing for a Cure

Abstract: The intention of my senior project was to show to the general public my passion for the dance field, what I have learned through the years, and to spark an interest in dance to the general public. My focus in this project was to raise money to help victims with the horrible disease of AIDS. To accomplish this I chose to produce a Dance-a-thon involving student and faculty from WOU along with local dance studios. I also spread the word through friends and family. I distributed flyers detailing my event. People could take five hours of classes. To show what I learned as a choreographer and dancer, I choreographed a short solo. All of this together showed the many aspects of dance that I have learned during my years at WOU, and will take with me as I continue in this field, while also helping a wonderful charity.

9:15 – 9:30 a.m., MH
Jeanette Richards
Faculty sponsor: Sharon Oberst

Title: Studio Supplemental Evaluation Forms for Ballet Technique

Abstract: The owner of the dance studio where I work created seven levels of ballet syllabi. Over the past few years I have been wishing that there was some way to assess and track what was being taught in each class to ensure that students were learning what was necessary for each level. I have developed some supplemental evaluations to go along with the syllabi that will track what technique, movements and concepts are being taught during each class. These supplemental materials include a daily planner, concept guide, vocabulary list, test combinations and test form appropriate for each level.

9:30 – 9:45 a.m., MH
Rachel Britt
Faculty sponsor: Amy McDonnell

Title: Anna Sokolow: Honest Words Cannot Come From A Dishonest Body

Abstract: This presentation examines the life and dance career of Anna Sokolow. Emphasis will be placed on her dance career, her dance companies as well as on her most famous choreographic work Rooms, and the common themes throughout her works.
9:45 – 10 a.m., MH
**Hannah Swanson**
*Faculty sponsor: Sharon Oberst*

**Title:** Twyla Tharp’s *The Catherine Wheel*

**Abstract:** This paper will discuss the metaphors and creative movement created by choreographer Twyla Tharp in her piece, *The Catherine Wheel*. Tharp uses intense metaphors in props, as well as choreography, to explain societal dilemmas, that can still be relatable to our society today.

10 – 10:15 a.m., MH
**Angel Stromberg**
*Faculty sponsor: Sharon Oberst*

**Title:** Judith Jamison and Her Legacy in the Alvin Ailey American Dance Theater

**Abstract:** Judith Jamison was the artistic director of Alvin Ailey American Dance Theater from 1989 to 2011. During this time she honored the legacy of Alvin Ailey and left a legacy of her own. Her history as a dancer, her role as a choreographer for the company, and her role as artistic director have shaped Alvin Ailey American Dance Theater in a way that keeps the Ailey spirit alive while giving the company continuous forward momentum.

10:15 – 10:25 a.m., MH
**Laura Guillen**
*Faculty sponsor: Sharon Oberst*

**Title:** Fading From Darkness

**Abstract:** *Fading from Darkness* is an abstract contemporary ballet that combines both the beautiful lines and technique of ballet and the uniqueness of the modern technique. Using pools of light to section off parts of the stage so that the dancers become fully highlighted only when in the direct light for which they are continuously fading in and out of during the whole piece in order to create a new way of viewing the stage.

10:25 – 10:35 a.m., MH
**Morgan Kishpaugh**
*Faculty sponsor: Sharon Oberst*

**Title:** Renewed

**Abstract:** This modern dance is a performance of the journey of renewal, transforming one’s body and soul from a dark place into the light.

10:35 – 10:45 a.m., MH
**Michael Eckerdt, Logan Espiritu, Laura Guillen, Cy Higashi, Michael Johnston, Courtney Martin, Stefana Reiff, Maya Zakhour**
*Faculty sponsor: Sharon Oberst*

**Title:** Blue

**Abstract:** Guest artist, Paula Weber, set the contemporary ballet *Blue* on eight WOU dancers in October 2012. She spent a week auditioning and setting the work on the students. These students performed the work at the American College Dance Festival at Southern Utah University and in the Spring Dance Concert at WOU.

Paula Weber is chair of the Dance Division and a professor of dance with UMKC’s Conservatory of Music and Dance. Professor Weber was invited to participate in the National Choreographers Initiative, 2011.

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**EARTH SCIENCE**

**Session title:** Earth Science Senior Seminar Research: Geological Hazards Impacting US 101 at Beverly Beach, Ore., and their Mitigation
**Session chair:** Jeff Myers
**Location:** Health and Wellness Center (HWC) 105

**Presentations**

8:30 – 8:45 a.m., HWC 105
**Jeff Myers**

**Title:** Introduction to Session

9 – 9:15 a.m., HWC 105
**Gregory Helstrom**
*Faculty sponsor: Jeff Myers*

**Title:** Depositional Environment of the Astoria Formation

**Abstract:** The shallow marine depositional environment of the Miocene aged Astoria Formation near Beverly Beach, Ore. produce an unstable base for Highway 101, which has experienced numerous landslides. Previous studies have noted that the plagioclase feldspars in the rocks weather and turn to clay, producing an increasingly unstable foundation. By examining compositional and textural features of the Newport member of the Astoria Formation at Beverly Beach, I will assess the weaknesses of the layers of rock in this sequence to test the hypothesis that the clay layers at the top of the sequence pose the greatest potential for future landslides. An understanding of the structural stability of the sedimentary rocks underlying the busy Hwy 101 at Beverly Beach can help in future strategies to reduce the risk of catastrophic landslides.
unstable resulting in hazardous conditions for developers and motorists alike along HWY 101 near Beverly Beach, Ore. Field work will focus on physical properties related to the depositional environment which influence the occurrence of hazards associated with the Astoria Formation today.

9:15 – 9:30 a.m., HWC 105
Laura Mastin
Faculty sponsor: Jeff Myers

Title: Distribution of Pleistocene Terraces

Abstract: The Pleistocene terraces along the Oregon coast are the foundation for parts of U.S. highway 101 between Yaquina Head and Beverly Beach State Park, Ore. The goal of this study is to identify the geological dangers of constructing the highway on top of these terraces, in order to understand how they are affecting the road. It is my hypotheses that Highway 101 is subject to slumping in areas where the road was built on the unstable terrace foundation. To test this hypotheses I will map out the distribution of terraces in the Beverly Beach area.

As the beach erodes, the waves cut back into the coastline, producing a terrace, which then can be preserved on the land as a result of tectonic uplift or from changing sea levels, which occurred during the multiple glacial and interglacial periods during the Pleistocene. As many as five to seven terrace levels occur on other parts of the coastline, such as those found around Coos Bay. Near Beverly Beach these unconsolidated terraces overlie the Miocene Astoria formation.

The stratigraphy of the terraces along Beverly Beach suggests that these terraces are slumping towards the ocean. This slumping is likely due to the sediments within these terraces. When these sediment layers become saturated with water it causes the area to be unstable and prone to slides. This is a result of high porosity and permeability along with the presence of expansive clays.

9:30 – 9:45 a.m., HWC 105
Cristina Francisco
Faculty sponsor: Jeff Myers

Title: Sedimentology of Terrace Deposits near Beverly Beach, Ore. Framework for Geologic Hazards and Their Mitigation

Abstract: US Highway 101 along the Oregon Coast near Beverly Beach is deteriorated due to active landslides. This highway is built on the high-stand Pleistocene terraces consisting of sand and pebble beds. In addition to their marine sedimentary character, the beds dip westward and increase the potential for landslides. These landslides occur at the contact of two geologic units: permeable Pleistocene deposits and the less permeable underlying Miocene deposits. Analysis of marine terrace sediments near Beverly Beach such as: permeability, porosity, degree of lithification, and percentage of clay content will be used to determine the shear stress resistance. The results will be used to interpret how terrace deposits increase the potential for landslides.

9:45 – 10 a.m.
Break

10 – 10:15 a.m., HWC 105
David Shields
Faculty sponsor: Jeff Myers

Title: Impact of Regional Climate, Vegetation, and Hydrology on Substrate Stability of Highway 101 at Beverly Beach, Ore.

Abstract: Geologic hazards, including coastal erosion, run-off and landslides at and around Beverly Beach, Ore., are all impacted by the region’s climate, vegetation, and hydrology. The frequency and severity of these hazards are dependent on the vegetation strength and saturation levels which weaken the underlying sub- strate. Variables including vegetation root strength may provide a valuable resource for landslide mitigation, especially near areas of high water saturation.

The central Oregon coast, from Yaquina Head to Cape Foulweather receives over five and a half feet (1.75 m) of rainfall annually. Mitigating the effects of the climate has proven problematic, because landslides, such as the ones at Johnson Creek and at Moolack Beach, are still creeping towards the ocean, offsetting US Highway 101, which runs adjacent to the coast through the region.

This project focuses on the impact of vegetation and hydrology on slope stability. Analysis of discharge rates, focusing on creeks and other hydrologically active areas, and measurement of root strength of cliff-top vegetation, will be used to interpret the influence and mitigation potential for the slope beneath Hwy 101.

10:15 – 10:30 a.m., HWC 105
Aquilegia Leet
Faculty sponsor: Jeff Myers

Title: Evaluating Coastal Erosion along U.S Highway 101 near Beverly Beach, Ore.

Abstract: Beverly Beach is one of the world’s fastest eroding shorelines with 0.1-0.3 meters of cliff retreat each year, which jeopardizes Oregon’s well traveled Highway 101. High rates of coastal erosion have been attributed to increased intensity of El Niño storm patterns, the inherently weak underlying Astoria Formation, water runoff, biological impacts, and beach sand starvation. Large beach sand grain size will cause a shorter, steeper beach more susceptible to erosion exposing the cliff to battering of waves thus decreasing talus slope abundance while increasing cliff steepness and height. The causes contributing to coastal erosion at Beverly Beach will be assessed by measuring beach width, sediment grain size, cliff height, and run-off from Highway 101 and local mitigation pipes. Erosion along the coastline is inevitable; humans can only mitigate the hazard so that impacts of erosion are minimal to their lives.

10:30 – 10:45 a.m., HWC 105
Abdul Alramadhan
Faculty sponsor: Jeff Myers

Title: NoTitle Provided
Understanding and Public Policy near Beverly Beach State Park, Oregon: Implications for Geologic Conditions

Faculty sponsor: Kathryn Roberts

Title: Landslide Analysis of the Oregon Coast near Beverly Beach

Abstract: The Oregon coastline along Highway 101, near Beverly Beach, has been and continues to be affected by many costly and life threatening landslides that are caused by a combination of various geologic conditions including steep topography, structural geology, seasonal increases in sediment poor pressure, and the constant possibility of being triggered by earthquakes. Landslides in this area pose a serious threat to people and property, therefore these threats must be constantly monitored and analyzed based on current and past landslide behavior to help predict and prepare for future landslides. The Johnson Creek landslide, that continues to show movement, has cost considerable damages and is continually monitored because of its damaging affects on U.S. Highway 101. There has been significant research of past landslides in the area as well as potential landslides. Learning about these slides is of utmost importance due to large-scale earthquake threats, such as the magnitude 9 quake in 1700. If an earthquake happens it is likely that landslides will be triggered causing massive damages and blocking evacuation routes of possible incoming tsunami as well as slow down or block any incoming disaster relief.

Potential Mitigation Regarding Geologic Hazards: US Highway 101, Beverly Beach State Park, Central Oregon Coast

Faculty sponsor: Jeff Myers

Title: Existing Mitigations of Coastal Landslides at Beverly Beach, Along U.S. 101

Abstract: A slumping stretch of roadway along U.S. 101 near Beverly Beach, Ore., poses safety concerns controllable by mitigations. Silstone and sandstone of the Astoria Formation, overlie marine terrace deposits, increase potential landslides throughout the year when rainfall increases pore-pressure between sediments. Short-term fixes involving frequent re-paving and installation of culverts and bridges has allowed the highway to remain in service. Dewatering strategies such as horizontal drains and vertical or inclined wells have successfully lowered pore-pressure, stabilizing slopes in coastal Oregon. This study examines landslides in this region to determine if dewatering is an effective strategy for a more permanent solution. Assessing dewatering concerns including wave erosion, groundwater conditions, and potential for affecting adjacent properties are used to expand options for the most environmentally sustainable and economically feasible solution. Decisions on future remediations are critical to the safe conditions expected of highly trafficked areas such as U.S. 101.

Failed Mitigation and Remediation of Geologic Hazards near Beverly Beach State Park, Oregon: Implications for Geologic Understanding and Public Policy

Faculty sponsor: Jeff Myers

Title: Failed Mitigation and Remediation of Geologic Hazards near Beverly Beach State Park, Oregon: Implications for Geologic Understanding and Public Policy

Abstract: Geologic hazards near Beverly Beach, Ore. coupled with existing public policies have resulted in a number of failed mitigation strategies for US Highway 101. The sedimentology and structural geology of the Astoria Formation and overlying marine terraces in the region create a foundation prone to landslides. The climate and hydrology of coastal Oregon add to the potential for slope failure by increasing pore pressure and saturation. Federal, state, and local governments have used a variety of public policies to both prevent and remediate slope failure including limiting land use, installing culverts, dewatering, and road re-paving. Failed mitigation has resulted from both incomplete geologic studies of the region and public policy incompatible with geologic understanding. In this study, an experimental design assesses how re-pavement of Highway 101 affects the slope stability of the region. Field measurements of asphalt thickness, and cover area will be used to calculate the influence of increased load weight on the slope, and how this affects landslide frequency and magnitude. Results of this experiment can be used to interpret the total long term impacts of current public policies of road remediation versus the higher short term costs of slope mitigation.

ENGLISH, WRITING AND LINGUISTICS

Session title: English: Linguistics, Literature, Writing
Session chair: Marjory Lange
Location: Health and Wellness Center (HWC) 205

Symposium

8:30 – 8:50 a.m., HWC 205
Phi Kappa Phi Writing Award winners to be announced
Faculty sponsor: Christine Harvey Horning

9 – 9:10 a.m., HWC 205
Peter Carrillo
Faculty sponsor: Christine Harvey Horning
Title: Unconventional Morality: The Gospel of Self-Approval

Abstract: Throughout *Adventures of Huckleberry Finn*, Huck Finn faces many moral choices. My interest in exploring morality in the novel came from an observation that the language used to refer to Christianity is not that of someone completely against religion. Biographical sources on Mark Twain reveal that he held a life-long friendship with his pastor, Joseph Twichell, and they remained friends even after Twain's rejection of Christianity in favor of his “gospel of self-approval.” As a result, my paper theorizes that Twain does not use Huck to attack Christian morality, but instead uses him to explore a counter philosophy.

9:10 – 9:20 a.m., HWC 205

Rylyn Dodd  
*Faculty sponsor:* Cornelia Paraskevas

Title: The ABCs of Linguistic History

Abstract: The piece examines the linguistic history and background of myself and an international student from China through biographical and autobiographical accounts. These accounts indicate that China values English as a second language because of its global significance, whereas the United States places less value on second languages and bilingualism because the common language is already English. This difference affects the role bilingualism plays in constructing our linguistic and cultural identities.

9:20 – 9:30 a.m., HWC 205

Abigail Roeder  
*Faculty sponsor:* David Hargreaves

Title: Linguistics and ASL: Phonology

Abstract: Like all human languages, American Sign Language (ASL) is a rule-governed communicative system consisting of arbitrary gestural features, phonemes or cheremes, combined into patterns of minimal contrast in order to create an inventory of basic morphemes, the smallest units of meaning in a language. By analyzing the contrastive features of signs, the first part of the presentation, by Abigail Roeder, will show how American Sign Language (ASL), like any spoken language, has its own rule-governed phonological-cherelogical system. Second, Ami Ruda will show how American Sign Language (ASL), like any spoken language, has its own rule-governed morphological system.

9:30 – 9:40 a.m., HWC 205

Ami Ruda  
*Faculty sponsor:* David Hargreaves

Title: Linguistics and ASL: Morphology

Abstract: Like all human languages, American Sign Language (ASL) is a rule-governed communicative system consisting of arbitrary gestural features, phonemes or cheremes, combined into patterns of minimal contrast in order to create an inventory of basic morphemes, the smallest units of meaning in a language. By analyzing the contrastive features of signs, the first part of the presentation, by Abigail Roeder, will show how American Sign Language (ASL), like any spoken language, has its own rule-governed phonological-cherological system. Second, Ami Ruda will show how American Sign Language (ASL), like any spoken language, has its own rule-governed morphological system.

9:40 – 9:50 a.m., HWC 205

Emily Ward  
*Faculty sponsor:* Robert Troyer

Title: Noun Modifiers in *Daughter of Smoke and Bone* by Laini Taylor

Abstract: This presentation analyzes Portland author Laini Taylor’s use of noun modifiers in her best-selling young adult fantasy novel, *Daughter of Smoke and Bone*. The linguistic features of the writing demonstrate how Taylor uses vivid language and imagery to pull readers into her world. The presentation also addresses how contemporary writers can use noun modifiers and evocative language in their own writing, primarily in creative works such as fiction but also in academic writing, to build memorable worlds for their readers.

10 – 10:05 a.m., HWC 205

Michael Mehringer  
*Faculty sponsor:* Henry Hughes

Title: Selected Poems

10:05 – 10:20 a.m., HWC 205

Sarah Jade Parrish, Rosario Peralta Cortez, Rose Thormahlen, Sophia Wellons  
*Faculty sponsor:* Katherine Schmidt

Title: Flash Fiction 4

Abstract: Flash fiction, sudden fiction, microfiction: (n) a complete story of extreme brevity with a beginning, middle, and end that includes change in the protagonist, antagonist, and/or reader.

10:20 – 10:30 a.m., HWC 205

Heather Sanderson  
*Faculty sponsor:* Marjory Lange

Title: Truth in Listening: Mary Shelley’s *Frankenstein*

Abstract: In Mary Shelley’s novel *Frankenstein*; or, *The Modern Prometheus*, the act of listening reveals what cannot be seen: ideas, history and truth. The only people who discover the inner goodness of both the creature and Frankenstein are those who listen to their tales before judging them. Characters who are capable of ‘hearing’ beyond what they initially experience, discover the truth, while those who rely on sight alone are blinded to innocence, purity of intentions and virtue. Truth, in fact, cannot be seen at all; it must be heard.
10:30 – 10:40 a.m., HWC 205
**Katurah Hein**  
*Faculty sponsor: Curtis Yehnert*

**Title:** Lessons from Iran (Creative Non-Fiction)

**Abstract:** This piece developed through multiple interviews with my aunt regarding her childhood as a member of the persecuted Baha’i community in pre-revolution Iran. We worked together to portray accurately both the beauty and the pain of her memories as a six-year-old girl coming to understand the complexities of systematic and institutionalized religious prejudice, even as it manifested itself within her own family.

10:40 – 10:45 a.m., HWC 205
**Danielle Hannan**  
*Faculty sponsor: Henry Hughes*

**Title:** Selected Poems

11 – 11:10 a.m., HWC 205
**Remy Bartle Icenogle**  
*Faculty sponsor: Katherine Schmidt*

**Title:** Smoke Signals (Fiction)

11:10 – 11:15 a.m., HWC 205
**Matt Hakola, Danielle Hannan, and Miranda Warren**  
*Faculty sponsor: Katherine Schmidt*

**Title:** Writerly Success 101

**Abstract:** A digital composition that attempts to convince struggling college writers that writing success is possible.

11:15 – 11:25 a.m., HWC 205
**Amelia Liggett**  
*Faculty sponsor: Christine Harvey Horning*

**Title:** An Experience at the Northwest Undergraduate Conference for Literature

**Abstract:** This presentation documents my process of submitting and presenting a conference paper at the Northwest Undergraduate Conference on Literature (NUCL) held annually at the University of Portland. The journey started with an essay of literary criticism about Poe and Whitman for a Survey of American Literature class in fall of 2012 and traveled through a thorough revision process in accordance with the conference theme of “Cultural Conversations.” Three months and three versions later, my paper was selected. This multimedia presentation discusses both the work required in submitting to a conference as well as an overview of the NUCL experience.

11:25 – 11:30 a.m., HWC 205
**Kimberlee Bartle**  
*Faculty sponsor: Henry Hughes*

**Title:** Selected Poems

11:30 – 11:55 a.m., HWC 205
** Winners of the Meyers Prizes to be announced**  
*Faculty sponsor: Gavin Keulks*

Session title: English: Linguistics, Literature, Writing  
Session chair: Marjory Lange  
Location: Health and Wellness Center (HWC) 205 (Hallway)

**Posters and Web-Design Presentations**

10:30 – 11:30 a.m., HWC 205 (Hallway)
**Han Nguyen**  
*Faculty sponsor: Kate Ristau*

**Title:** Taking Centre Stage: Is Food at Valsetz Healthy?

**Abstract:** According to a 2009 study in the *Journal of the American Dietetic Association*, 94 percent of school lunches do not meet the regulations of the USDA. This means that either the food does not provide balanced nutrients, or the facilities do not meet the department’s standards. With this gap in mind, this paper examines academic sources, as well as Western Oregon University campus menus, to determine whether on-campus dining is healthy or not. After intensive study, my research reveals that the food at Valsetz is unhealthy because it lacks the nutritional value required for a balanced diet.

10:30 – 11:30 a.m., HWC 205 (Hallway)
**Carraig Colahan**  
*Faculty sponsor: Meg Artman*

**Title:** Travel Steens Mountain

**Abstract:** This website is built to inform tourists of the beauty and traveling opportunities available at one of Oregon’s finest geological gems. This website offers the first comprehensive travel site available to tourists to plan an entire vacation to Steens Mountain. The website is small and simple and provides ample outside links in order to provide interested parties with more information.

10:30 – 11:30 a.m., HWC 205 (Hallway)
**Jordan David Salazar**  
*Faculty sponsor: Meg Artman*

**Title:** Follow the Pack: A Re-design of Woulax.com

**Abstract:** *Follow the Pack* is a re-design of the official Western Oregon men’s lacrosse website, woulax.com. *Follow the Pack* has been designed to keep the fans and viewers updated with news surrounding the Western Wolves as they complete the season (upcoming events, players and coaches, and scores). Multiple new pages were added to the re-design (ex: shop, blog, and the history of lacrosse) to allow a more viewer/fan connection with the team. Making it “user friendly” played a role in each step that was taken to design the website.
While not perfect, the benefits of geothermal energy include its renewability, low environmental impact, and its ability to be implemented in your own home.

Abstract: In a writing for the Web course, our skills as writers were put to the test as we created multiple websites for imaginary or real organizations. I designed a website for the organization that I co-direct called Young Artists Playtrium (YAP). YAP is dedicated to offering kids the opportunity to express themselves in an environment that is safe and fun. I wanted to create a website for this organization that portrayed that fun environment, but that was also functional and interactive. With the help of Wix Web host, I think I was able to achieve exactly what I wanted.

Title: Website Design: Young Artists Playtrium

My personal website, Cawest.me was created for two specific reasons. The first was to highlight the lessons and techniques learned in my Writing for the Web class as they apply to the act of building and maintaining a website. The second reason I created a personal website, rather than recreating a website for an organization or business, was because I am set to graduate soon, and I wanted a central place to upload my portfolio and résumé for future employers to view during the hiring process.

Title: Cawest.me — Website

GENERAL SCIENCE HONORS

Session title: Student Created Documentaries: The Energy Files

Location: Natural Sciences (NS) 101

Presentations

8 – 8:15 a.m., NS 101
Tristan Knope-Jenkins and Joshua Leisner
Faculty sponsors: Arlene Courtney and Philip Wade

Title: Geothermal Energy: Power of the Earth

Abstract: Geothermal energy is an underrated form of energy that should be utilized more frequently. There are numerous geothermal hotspots in North America that have the potential to eliminate our dependency on non-renewable forms of energy. The methods of transforming geothermal energy into thermal energy and electricity are clean and low risk. A plethora of technologies already exist to harness geothermal energy such as lava pumping, heating and cooling loops. With support and additional research these technologies could undoubtedly become a primary energy source in the northwest. While not perfect, the benefits of geothermal energy include its renewability, low environmental impact, and its ability to be implemented in your own home.

8:15 – 8:30 a.m., NS 101
Afton Sullivan and Emily Walley
Faculty sponsors: Arlene Courtney and Philip Wade

Title: From the Ground to the Public: A Fuel’s Journey

Abstract: Providing fuels to consumers involves many steps, including mining, refining, storing, and transporting from the source to the site of use. The fuels researched in this documentary include coal, petroleum, natural gas, and electricity. Methods used to process raw materials into fuels vary from the compression of natural gas to the distillation of petroleum. The transportation of refined fuels and energy to consumers may involve trains, pipelines, tankers, and smart grids. The cost of refining and transporting fuels is often detrimental to the environment. This video explores the modes of processing, transportation methods, and the various costs associated with each fuel source.

8:30 – 8:45 a.m., NS 101
Katie Rice and Nic Cooley
Faculty sponsors: Arlene Courtney and Philip Wade

Title: Economic and Environmental Implications of Electrical Generation

Abstract: This documentary focuses on the economic and environmental aspects of hydroelectric, coal, and nuclear power generation. Across the nation, hydroelectric, coal and nuclear power plants provide about 70 percent of the electricity used to power our homes and personal devices. The video examines the modern generator, a structural component of all three sources as well as the methods for generating electricity. Emphasis will be on specific economic and environmental issues concerning each type of electrical generation source. Economic issues range from costs of producing and transporting raw resources to costs associated with constructing plants. Specific environmental issues include habitat destruction and migration of fish, air pollution, and the leakage of radioactive material.

8:45 – 9 a.m., NS 101
J.J. Garcia and McKenzie Johnston
Faculty sponsors: Arlene Courtney and Philip Wade

Title: Hydrogen Fuel Cells: Energy Storage of the Future?

Abstract: This documentary gives a brief history of energy storage, focusing specifically on batteries and hydrogen fuel cells. A battery is a package of one or more galvanic cells used for the production and storage of electric energy by chemical means. A fuel cell is an electrochemical device that combines hydrogen fuel with oxygen to produce electricity, heat and water. The science and uses for both of these storage methods will also be described in detail, along with a brief history of their respective uses. Advances in fuel cell technology could potentially change the way energy is stored. However, the substantial cost to produce hydrogen may prevent this form of energy storage from worldwide commercialization.
These aspects of the North American oil boom. Resources, but at what environmental cost? This video details processes, have on the local ecology. The discovery and mining exploration and collection technologies, as well as refinement of extensive new fossil fuels in North America serves as a boon to local economies and reduces our dependence on foreign resources other than coal. France has decided to use nuclear energy for their future energy demands despite the continued environmental attacks against it. Secondly, our video discusses Germany’s more environmental approach for its energy needs. They have chosen to use two renewable energy sources, wind and solar, and Germany is often referred to as “the world’s first major renewable energy economy.” This documentary addresses the energy history, reasons for the chosen source, and future energy goals for both of these future leaders in alternative energy sources.

Title: To Charge or Not to Charge?

Abstract: Driving a car is one of the most polluting things that humans do however, there are steps we can take to start eliminating this pollution. This documentary examines the economic and environmental impacts of hybrid and electric cars. It demonstrates how cars have evolved from initial high fuel usage and high emission output to the fuel efficient and little to no emission vehicles that exist today. Details are given as to how electric and hybrid cars operate and the advantages and disadvantages of each, as well as the affordability of these cars in comparison to traditional vehicles. This documentary sheds light on why electric and hybrid cars are promoted as a solution to many problems involving environmental pollution caused by conventional vehicles.

Title: France and Germany: Future Leaders in Energy Resources

Abstract: Our world is shifting away from coal sourced energy production and is moving towards finding alternative energy solutions. France and Germany are promising leaders in the development of these new energies and are heavily reliant on resources other than coal. France has decided to use nuclear energy for their future energy demands despite the continued environmental attacks against it. Secondly, our video discusses Germany’s more environmental approach for its energy needs. They have chosen to use two renewable energy sources, wind and solar, and Germany is often referred to as “the world’s first major renewable energy economy.” This documentary addresses the energy history, reasons for the chosen source, and future energy goals for both of these future leaders in alternative energy sources.

Title: Online Module: The Concept of Inflation

Abstract: An online module is a set of resources incorporating multiple types of media: text, images, audio, video, interactive, etc., hosted in a website to complement a face-to-face lesson. The variety of media content helps to assist a diverse array of abilities, intelligences, motivations, and interests from each student. In addition, the module is available 24/7 which allows the student to follow a path and rhythm that best suits him/her.

This module was designed with open software tools for my ED 626 Instructional Design class. It verses about the inflation, a concept covered in Introduction to Economics classes.

Title: The Key Traits of Effective Learning

Abstract: My thesis looks at what characteristics must be present for effective learning to take place in the classroom. As part of this process, I have looked at related research and literature and surveyed both children and adults. After these characteristics were determined, I used those traits to select teaching methods and educational technologies best suited to helping students in a 4th grade classroom and then observed the results.

Title: Identify texts in the remedial writing classroom: An opportunity for authentic language use and re-imagined futures

Abstract: Findings from my graduate thesis research project will be presented in a “digital poster” format. The context of my research was a senior “writing skills” class at a local high school, which was designed specifically to remediate students who had failed to pass the writing test required for graduation. The classroom teacher and I collaborated to create a digital “identity text” project. The data, collected through observation, in-depth interviews with students and their teacher, and a survey, were analyzed for participants’ approach to a culturally affirming, creative project within a constrained environment. I will also share excerpts of the creative projects.
24   •  Graduate Studies and History

3:30 – 5 p.m., WUC Willamette Room

Maria Kemp
Faculty sponsor: Carmen Caceda

Title: Using Forms and Functions within Language Arts: Frameworks for Responses to Esperanza Rising by Pam Munoz Ryan.

Abstract: Esperanza Rising is a fantastic book that touches on themes of immigration, racism, courage, and growth. It is an incredible book to read with students because it depicts a young person struggling with a challenge and overcoming it. I feel it is important for students to be able to articulate their feelings and to help my students, especially English Language Learners, I have developed formal sentence frames to help process the themes in this text. This project details the multiple functions and forms students will use while reading and writing about the book.

3:30 – 5 p.m., WUC Willamette Room

Lauren Pangle
Faculty sponsor: Tracy Smiles

Title: How First Graders Talk to Each Other about Books

Abstract: The purpose of this study is to learn how first grade students engage in talk about text in a heterogeneously grouped book club. Will the students use the structures of response that are modeled during whole group discussion of literature with their peers in an independent setting? With those structures of response made available, what kind of talk will take place? Will the students independently engage in higher level thinking about text? How can I set up an authentic, student-led book club in which first graders are able to independently engage in complex interactions and have rich conversations about literature?

3:30 – 5 p.m., WUC Willamette Room

Paul Schlegelmann
Faculty sponsor: Mary Bucy and Greg Zobel

Title: Designing and Delivering Online Courses and Tutorials

Abstract: Since all of my work is digital and Web-based, I’ve attached links to four of my top online training classes and tutorials. The first three items listed below all share a common subject matter (teaching digital photography via online methods) and thus make a compelling package that showcases the diversity of solutions that can be created and delivered as online training, all associated with a common subject. The fourth item listed is included primarily because it utilizes an alternative, free Web 2.0 tool for creating effective online training.


2) Online Course: People / Portrait Photography Developed and presented within Moodle, an online learning management system (LMS). http://paulschlegelmann.com/moodle233/course/view.php?id=3 (Need to click button “login as a guest” to reach online course.)


HISTORY

Session title: History Department Undergraduate Senior Seminar Papers
Session chair: John L. Rector
Location: Natural Sciences (NS) 103

History Department Undergraduate Senior Seminar Papers

9 – 9:15 a.m., NS 103
Kate Claussen
Faculty sponsor: Kimberly Jensen

Title: Rural Civil Defense during the Cold War

Abstract: Facing the constant threat of an atomic attack from the Soviet Union during the Cold War, the United States established civil defense policies of fallout shelters and evacuation from target centers to protect Americans in the event of an attack. Both of these policies benefited urban and industrial Americans, where public shelters were common and evacuation routes could move the population out of a city. For rural Americans, however, these policies demanded that they took a more active approach to civil defense. Rural landscapes were often designated as gathering centers for urban evacuees, and farmers were expected to provide their urban neighbors with food and shelter. Likewise, private instead of public fallout shelters were promoted to rural Americans who were then personally responsible for the protection of their family, crops, and livestock from nuclear fallout.

9:20 – 9:35 a.m., NS 103
Erin Deatheridge
Faculty sponsor: John L. Rector

Title: Monte Albin, Hill of the Sacred Stones

Abstract: Dominating Mexico’s Valley of Oaxaca for almost a thousand years, the people of Monte Albin, known as the Zapotecs, constructed an urban settlement that acted as one of the main centers of commerce for the communities of Mesoamerica. Archaeologists have concluded that Zapotecs occupied this city-state from 500 B.C. to approx. 900 A.D. and left a legacy of famous ceramic artwork and impressive architecture. Using archaeological, anthropological, and historical evidence as both primary and secondary sources, this project presents a cultural investigation of Monte Albin’s impact on neighboring regions in the Oaxacan Valley.

9:40 – 9:55 a.m., NS 103
Chandler Miranda
Faculty sponsor: John L. Rector
Title: Neoliberalism and the Mapuche

Abstract: The Mapuche Indians are the largest indigenous group in Chile and they account for nearly 10 percent of the country’s total population. The Mapuche have struggled with land usurpations since the end of the nineteenth century. The most difficult of these struggles came from neoliberal economic policies of the Military dictatorship of Augusto Pinochet (1973-1990). Laws such as Decree Law 2568 that dissolved Mapuche communal land and divided it up into individually held land titles. With the return of democracy in 1990, the Mapuche had hope that Pinochet era policies would disappear. This hope was realized in 1993 with Indigenous Law 19253. Harmful aspects of Decree 2568 were repealed by the Indigenous Law, but the ideas and polices have continued to be use by the Chilean government. Under the pretext of promoting civilization, the neoliberal legal framework allowed for usurpation of ancestral territory, resulting in the destruction of entire communities and repression of any protest to industrial projects.

Session title: History M.A. Program: Graduate Research Presentations
Session chair: Max G. Geier
Location: Natural Sciences (NS) 103

History M.A. Program: Graduate Research Presentations

10 – 10:20 a.m., NS 103
Brittney Teal-Cribbs
Faculty sponsor: Patricia Goldsworthy-Bishop

Title: The Reverend Joseph Wolf: Between Judaism and Christianity in Europe and the Levant

Abstract: This paper looks at the ways in which the Reverend Joseph Wolf, a converted German-Jew, used his travelogue and travels to serve as an intermediary between the Christian and Jewish communities, and how his perspective as a Jew often turned stereotypes about Christians and Jews on their heads. Like many other Jews of his time, Wolf used his conversion to Christianity as a way to engage with the larger European culture. Unlike them, however, his sincerity of conversion, and his international missionary travels were unique, allowing him to move between often very disparate groups of people.

10:25 – 10:45 a.m., NS 103
Gregory Garcia
Faculty sponsor: John L. Rector

Title: 9/11/73: The Chilean Way to Socialism hits a Dead End

Abstract: On September 11, 1973, the Chilean military, under the command of General and future dictator Augusto Pinochet, staged a coup against leftist Chilean President Salvador Allende. Allende’s death marked the end of his “Chilean Way to Socialism,” Allende’s concept of creating a socialist state without a traditional Marxist uprising of the proletariat. This paper serves as an “autopsy” of the “Chilean Way to Socialism” in which I examine all of the problems that plagued this social political experiment from its original inception in the mid-1950s to its violent demise in 1973.

10:50 – 11:10 a.m., NS 103
Jennifer Ross
Faculty sponsor: Max G. Geier and Kimberly Jensen

Title: A Legacy of Violence, Anonymity, and Silence: American Indian Women and The Rogue River Wars, 1851-1856

Abstract: The Rogue River Wars (1851-1856) were an extremely violent time in Oregon’s history. Miners, settlers, and Indians all had competing visions of the land and of their rights to it. My narrative revolves around the story of an Indian woman who was raped with impunity by prominent lawyer and politician David Logan in the middle of Jacksonville, Ore. in front of a crowd of male and female onlookers in 1853. Studying the context in which this event was allowed to happen is an important addition to the historiography of the Rogue River Wars, which have yet to include an analysis of the role that sexual violence and gender played in the conflicts.

11:15 – 11:35 a.m., NS 103
Daniel Sprinkle
Faculty sponsor: Patricia Goldsworthy-Bishop

Title: Racial Paranoia: How the Ottoman Empire Destroyed Itself in Two Decades

Abstract: This essay attempts to analyze how social Darwinism among the Turks of Anatolia ultimately led to the Armenian genocide, which solidified the eventual loss of World War I and the collapse of the Ottoman Empire. The Turks feared for their ability to maintain a nation of their own if they allowed minorities to gain too much power in Anatolia so they began the systematic execution of Armenians, even those fighting in their own military. Rather than focusing on helping their allies in the war effort, the Turks grew obsessed with defending their rights to nationhood from European imperialism and their desperation served only to destroy their empire.

11:40 – 12 p.m., NS 103
Katrina Greer
Faculty sponsor: Max G. Geier

Title: From Apple Country to Wine Valley: The Walla Walla Valley’s Agricultural Transition and its Effects on the Local Economy and Population

Abstract: The transition from the production of food crops such as wheat, apples, peas, and onions to the commercial production of wine in the Walla Walla Valley in Southeastern Washington has caused a perceptible change in the local economy and attitude of the people of the area toward agriculture and its role in the region. This paper examines both the transitions and the forces driving them, as well as the attitude of the local people toward the land and its use and the tourist economy that grew out of the changing ecology of the landscape. The shifts in economic focus behind the agricultural focuses in the Walla Walla Valley have changed and shaped the ways in which people interact with the land, feel about its role in society, and see its place in the future of Walla Walla.
9:35 – 10 a.m., HWC 203
Jennifer Kaiser, Stephanie Lane, Britney Nicholson, and Christianne Paquing-Narvarte
Faculty sponsor: Jennifer Taylor
Title: Adapted Physical Activity and Rehabilitation in Stroke Recovery
Abstract: Physical activity following a stroke plays a vital part in both the physical and psychological recovery processes. The goals of rehabilitation include overcoming losses or deficiencies in functionality and preventing further declines in health. Evelyn is a women in her 70s who, following a stroke, wants most to be able to return to her favorite hobby, gardening. This presentation will highlight our project to get Evelyn gardening again. We will discuss the importance of PA for Evelyn, overview our PA program specifically designed for Evelyn, and discuss specific adaptations and reasoning for prescribed exercises.

10:10 – 10:35 a.m., HWC 203
McKenzie Lovell
Faculty sponsor: Daryl Thomas
Title: The Power of Prayer in Healing
Abstract: The power of prayer is controversial. Western Medicine does not rely on prayer for healing, although this has been used effectively. This presentation reviews the research and case studies where the power of prayer was effectively used in healing illness. An explanation of the history of prayer, the definition of spiritual and/or religious and the National Center for Complementary and Alternative Medicine’s official position will be presented.

10:40 – 11 a.m., HWC 203
Courtney Chang-Wo and Shelby Sayer
Faculty sponsor: Siobhan Maty
Title: Exposure to Arsenic and Adverse Child Health Outcomes
Abstract: Arsenic is a well documented carcinogen. Children continue to be exposed to arsenic, which emphasizes the need for efficient programs to improve child health in arsenic exposed communities. Our work reviews literature on the association between arsenic exposure and physical and cognitive development, immunity, mortality and morbidity rates, motor function, childhood cancers, and the impact of breastfeeding. No positive or null association was observed for arsenic exposure and adverse outcomes. However, results suggested that exclusive breastfeeding for longer time periods may have prevented earlier arsenic exposure. Further research will provide evidence of the protective effects of breastfeeding on arsenic exposure in children.

11:05 – 11:30 a.m., HWC 203
Andrea Comer and Mandi Walker
Faculty sponsor: Daryl Thomas
Title: The Essentials of Aromatherapy
Abstract: Aromatherapy is an increasingly popular modality of Complementary and Alternative Medicine. This presentation
will entail the definition, general history, and common uses among varying cultures. A variety of essential oils along will their therapeutic properties will be covered as well a few mood blends that target specific emotions such as stress, fear, and fatigue. Additional information will encompass a brief introduction to aromachology, research that is being done on this modality, and evidence supporting the usage of essential oils and other aromatic products.

1:15 – 1:30 p.m., HWC 203

Lindsey Bareng, Lindsay Comella, and Amanda Wruble
Faculty sponsor: Amy Hammermeister

Title: Asexuality: More than a Social Stigma

Abstract: Asexuality can be defined as individuals who do not experience sexual attraction and do not use sexual intercourse to reproduce. Less than one percent of the population self-identify as asexual, while most people of that one percent decline opportunities to participate in studies. Because of this, very few studies have been conducted to further investigate this small population. Although people who self-identify as asexual don’t engage in sexual activity, most of them have loving relationships and are still compassionate towards a partner. Asexuality is more than just a social stigma and will hopefully begin to be more accepted in all communities.

1:35 – 1:55 p.m., HWC 203

Caitlin Eshleman, Sarah Larsen, and Kiana Takemoto
Faculty sponsor: Amy Hammermeister

Title: Human Trafficking

Abstract: Our presentation focuses on human labor and commercial sex trafficking in the United States. Our own citizens are a part of human trafficking either as victims or traffickers here on U.S. soil and abroad. Also known as the “modern day slavery”, this is a global business that is thriving and does exist. Although there are many efforts being made to combat trafficking there is still confusion as to what trafficking is, where it takes place, and who is involved. The more U.S citizens who become informed of the truth of this horrific crime the more likely trafficking can be stopped.

2 – 2:20 p.m., HWC 203

Landon Burningham
Faculty sponsor: Tom Kelly

Title: Weight Loss and Fitness Program for a Working Professional

Abstract: This presentation deals with setting up a weight loss and fitness program, utilizing personal training principles, for an actual client in conjunction with PE 485 Exercise Testing & Prescription. The presenter is a senior exercise science student working one on one educating and training another student with a few simple changes, this initial change reached a plateau shortly thereafter. Through education and training, based upon the American College of Sports Medicine Model of Exercise Testing and Prescription, the subject is now continuing her weight loss journey to a healthy body composition. This program includes regular participation in activities she enjoys, healthy eating on a budget, and no need for fad dieting.

2:25 – 2:45 p.m., HWC 203

Courtney Wagner
Faculty sponsor: Tom Kelly

Title: Moving Beyond a Weight Loss Plateau

Abstract: This presentation deals with setting up a fitness program, utilizing personal training principles, for an actual client in conjunction with PE 485 Exercise Testing & Prescription. After becoming immersed in the “Standard American Diet,” the subject has been striving to return to a healthy body weight. Although the subject noticed a quick improvement with a few simple changes, this initial change reached a plateau shortly thereafter. Through education and training, based upon the American College of Sports Medicine Model of Exercise Testing and Prescription, the subject is now continuing her weight loss journey to a healthy body composition. This program includes regular participation in activities she enjoys, healthy eating on a budget, and no need for fad dieting.

9 – 11 a.m., WUC Pacific Room

Andrea Comer
Faculty sponsor: Siobhan Maty

Title: Adherence to a mixture of raw food-based diets and their effects on disease and illness

Abstract: Dietary intake and overall physical health have proven to have a parallel relationship. This literature review was conducted using tertiary data to summarize the known effects of consumption of a plant-based diet on chronic diseases and other illnesses. Studies on the effects of adherence to a raw food diet have focused on plasma and energy levels, body mass index and vitamin B12 deficiency. While there are proven short-term benefits to eating a raw food diet, more evidence is needed to show that this diet style alone can consistently have positive effects on disease and illness for long term adherents.
Symposium

8:40 – 9 a.m., MNB 103
Heath Honeycutt
Faculty sponsor: Breeann Flesch

Title: What Fraction Of A Soccer Ball Is Covered In Pentagons?

Abstract: Come and explore an interesting geometry question. An average soccer ball is made up of two shapes: pentagons and hexagons. Calculating the areas may seem like a simple concept, but the shapes are skewed once wrapped around a round surface. First, an estimate for our proposed question will be made using planar geometry. Next, we will delve into the world of spherical geometry to find an exact answer.

9 – 9:20 a.m., MNB 103
Christopher Tasner
Faculty sponsor: Breeann Flesch

Title: Custom Locks: Counting the Combinations

Abstract: Counting the possible entries in a combination lock is trivial when we recognize that any lock with buttons 1 to n will have precisely n! combinations. In this presentation, we will explore the different methods of counting combinations when the buttons on our lock can be pushed simultaneously. Using recurrence relations and generating functions to derive formulas, we see that it is possible to count the number of combinations of any such lock with buttons 1 to n.

9:20 – 9:40 a.m., MNB 103
Karen Cole
Faculty sponsor: Breeann Flesch

Title: Rolling Dice

Abstract: In this presentation we will look at the distribution of non-standard dice rolls. That is, the probability of reaching a particular number and how to find that probability. We will do this by recursion where we add up all the number of ways to find a certain number on one die, then the ‘left-over’ total on the remaining dice, and add those terms. Then, we will see how two other methods, one using counting principles of combinatorics and one using generating functions, give the same result.

9:40 – 10 a.m., MNB 103
Madelyn Twain
Faculty sponsor: Breeann Flesch

Title: The World of λ-Permutations

Abstract: λ-permutations are a new and exciting discovery when it comes to the world of rearranging series. First mentioned by S.G. Krantz and J.D. McNeal in 2004, they have the ability to preserve convergence in convergent series, and rearrange conditionally divergent series to make them converge. This presentation is an expansion of D.J. Velleman’s 2006 paper A Note on λ-Permutations, defining and exploring the properties of λ-permutations.

10 – 10:20 a.m., MNB 103
Rosie Brown
Faculty sponsor: Breeann Flesch

Title: Dropping the Lowest Score: A Mathematical Analysis of a Common Grading

Abstract: A common grading practice among educators has been to drop low test, quiz, or homework scores to help students in their classes. Although there exist simple cases in which it is easy to determine which scores should be kept and which scores should be dropped, there are many more complex cases that require an algorithm to solve. I will be discussing different ideas for how to easily determine the best set of scores to keep, why some methods don’t work, and will go into detail about an efficient algorithm.

10:20 – 10:40 a.m., MNB 103
Elrryc Berkman
Faculty sponsor: Breeann Flesch

Title: Advantages of the Singled Out Game

Abstract: The singled out game involves two or more players guessing the outcome of a flip of a coin. For each correct guess a player receives one point, and for each incorrect guess a player receives no points. The object of the game is to be the first player to get n points. The interesting feature of the game is that players announce their guesses aloud and in a fixed order throughout the game. We will look at the second and third player games and determine whether the second and third players have an advantage.

10:40 – 11 a.m., MNB 103
Molly Stubblefield
Faculty sponsor: Breeann Flesch

Title: Cops and Drunk Robbers

Abstract: The game of Cops and Robbers was first presented in the 1980s. Since then, this graph theoretical game has been studied extensively. In this presentation, we will consider a version in which the robber is drunk, meaning the robber chooses which neighboring vertex to move to with equal probability. We will consider what affect the drunkenness has on the capture time on various game boards.

11 – 11:20 a.m., MNB 103
Anna Kralovec
Faculty sponsor: Cheryl Beaver

Title: Ta – Yen Encryption
Abstract: The Ta-Yen cipher is a new cryptosystem based on the Chinese Remainder Theorem. In this talk we explore this system by learning how to encrypt and decrypt, as well as see how it is applicable to keeping data secure in the cloud, if time permits.

11:20 – 11:40 a.m., MNB 103
Steve Ockerman
Faculty sponsor: Matthew Nabity

Title: Predicting the Cy Young Award Winner

Abstract: We examine Spark’s and Abrahamson’s linear programming approach to predict the winner of the Cy Young award. As this model was formulated in 2004, we examine the performance of their approach over the last eight seasons for predicting the actual winners. Based on issues present in the feasibility region of original work, we examine new formulations of the problem with alternate objective functions and new constraints and discuss our results.

11:40 – 12 p.m., MNB 103
Casandra Hanson
Faculty sponsor: Matthew Nabity

Title: Newcastle Disease in Wild Parrots: Building a Model

Abstract: We begin with a commonly known SIR disease mathematical disease model, and demonstrate the process of adapting it to a specific wild life population. Our model considers the “what if” scenario of a particularly virulent disease, specifically Newcastle Disease, finding its way into a species of wild parrots in the jungles of Peru. We find that population density along with two stages of the disease that respond differently in young versus mature birds, make this type of model especially challenging, but we expect it will lend itself nicely to future modeling situations.
concept of linear independence with the study of frames, which generalize the idea of a basis while allowing for more desirable traits. In this talk we examine certain collections of functions, both finite-dimensional and infinite-dimensional, and the necessary conditions for linear independence within. In closing, we take a look at linear independence as applied to wavelet theory.

10:20 – 10:40 a.m., MNB 104
Jose Figueroa
Faculty sponsor: Hamid Behmard

Title: Zero-sum Games and the multiplication game

Abstract: In this paper, we consider two people zero-sum games, which are some of the most popular games in game theory. In these types of games, each player has a finite set of pure strategies. Certain zero-sum games possess pure strategy equilibriums. In that case, playing the pure strategy that result on the game equilibrium guarantees a value to each player independent of the other player strategy. In cases that the zero-sum game doesn’t possess an equilibrium point using pure strategies, the concept of mixed strategies is used. In these cases, the Minimax Theorem guarantees that an equilibrium pair of mixed strategies exists.

10:40 – 11 a.m., MNB 104
Jennifer Larson
Faculty sponsor: Hamid Behmard

Title: Analysis of the Hammer Throw

Abstract: In this presentation, we develop the vector function representing the position equation for a model depicting the projectile of an object. The model developed considers the effect of air resistance. Furthermore, we analyze the optimal angle for the projectile to achieve maximum height and distance. Specifically, we consider the hammer throw and compare the theoretical range with the experimental range.

11 – 11:20 a.m., MNB 104
Jonathan Woodruff
Faculty sponsor: Hamid Behmard

Title: Euclidean Constructions and the Geometry of Origami

Abstract: Origami is an art that bears the potential to benefit mathematics. We explore an axiom system of origami geometry that is equivalent to the Euclidean geometry axiom set. In this process, we find that origami possesses a special axiom that is impossible to execute by Euclidean methods. This special axiom permits us to find the cubic root of the length of a segment, solve general cubic equations, and trisect angles. We also discover that parabolas play a key role in the geometry of origami.

11:20 – 11:40 a.m., MNB 104
Lindsay Callahan
Faculty sponsor: Hamid Behmard

Title: A Model: Pollution Decay and Purification of Lake Onondaga

Abstract: This study builds mathematical models based on compartmental analysis to analyze the behavior of mercury contaminants in Lake Onondaga, Syracuse, New York; an uncontrolled hazardous waste site that falls under the federal government’s Superfund cleanup program. Beginning with a basic decay model and concluding with an equilibrium shift model that are used to analyze the behavior of mercury; the contaminant, during different environmental situations in Lake Onondaga. The models in our study are used to predict the amount of time necessary to reduce the levels of mercury to a given percentage or to obtain equilibrium under certain conditions.
Kyla Krehoff  
*Faculty sponsor: Tina Fuchs*

**Title:** Superheroes  

*Abstract:* Superheroes is a group that supports students’ dreams to make the world a better place. By brainstorming, sharing resources, and taking small steps towards accomplishing a goal, Superheroes empowers students to become their own leaders and initiate change. Anyone can be a superhero. Come see how!  

*This session is the winning entry in the Maurice Undergraduate Initiative Prize Competition.*

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**MODEL UNITED NATIONS**  

**Session title:** Model United Nations  

**Session chair:** Blake von Brockdorff (Eliot Dickinson, Faculty Advisor)  

**Location:** Bellamy Hall (HSS) 107  

**Panel Discussion**  

1 – 2 p.m., HSS 107  

**Blake von Brockdorff**  

*Faculty sponsor: Eliot Dickinson*

**Title:** Model United Nations Mock Session  

*Abstract:* The Model United Nations Club will perform a mock session demonstrating how the United Nations works. The simulation will show students acting as UN diplomats and discussing international political events.

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**MUSIC**  

**Session title:** Excellence in Music Scholarship: Graduate Research and Ethnomusicology  

**Session chair:** Diane Baxter  

**Location:** Smith Hall (SH) 122  

**Presentations**  

1 – 1:30 p.m., SH 122  

**Bethany Vianna**  

*Faculty sponsor: Diane Baxter*

**Title:** The Music of Samuel Barber  

*Abstract:* Samuel Barber became known for his signature work, *Adagio for Strings*. However, Barber’s career continued beyond this phenomenal work to include many remarkable compositions. Among these works, his set of Excursions, Op. 20, stands out among his piano compositions as the only piece to feature explicitly American musical elements. This presentation explores Barber’s life leading up to this composition, the role that this set of pieces plays in the solo piano repertoire, and the life that this work continues to have within both contemporary music and dance scenes.

1:30 – 2 p.m., SH 122  

**Jocelyn Pokorny**  

*Faculty sponsor: Diane Baxter*

**Title:** The Music of John Williams  

*Abstract:* This presentation will explore the film music of John Williams from 1960 to the present. From his early score for *Jaws* to his recent score for *Lincoln*, Mr. Williams’ music is among the most recognizable in the genre. His films include the *Indiana Jones* movies, *E.T.*, *Jurassic Park*, *Schindler’s List*, *Saving Private Ryan*, and the *Harry Potter* films.

2 – 2:30 p.m., SH 122  

**Jazelle Green-Younger**  

*Faculty sponsor: Diane Baxter*

**Title:** The Pedagogy of Jazz  

*Abstract:* Jazz pedagogy is a subject that has been hotly contested since the birth of the genre. There is something ephemeral that has been ascribed to the “jazz feel”, a mythology and mysticism, which leads to the opinion that jazz cannot be taught at all. To overuse an adage, “if you have to ask what jazz is, you’ll never know.” Though complex, there are finite and determinable elements of the jazz idiom that can be learned and, therefore, taught.

2:30 – 3 p.m., SH 122  

**Terra Hurdle**  

*Faculty sponsor: Diane Baxter*

**Title:** The Life and Music of Anita O’Day  

*Abstract:* This presentation provides historical insight into the life and music of jazz vocalist Anita O’Day, including her musical influences, stylistic characteristics, and contributions to vocal jazz. It explores the way in which her life experiences and interaction with other musicians may have shaped her as a creative artist. Insight will also be provided on whether or not her drug addictions played a significant role in her artistry and performance. Celebrate the artistry of this iconic woman and the legacy she has left in her music.

3 – 4 p.m., SH 122  

**Students of MUS 364D**  

*Faculty sponsor: Diane Baxter*

**Title:** Fieldwork in Ethnomusicology  

*Abstract:* Students in MUS 364D are required to complete a fieldwork project on a local subculture of music. Three student presentations will be featured in this session.

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**Session title:** Concerto/Aria Contest Winners Recital  

**Session chair:** Ike Nail  

**Location:** Smith Music Hall (SM) 121
Performances
11 a.m., SM 121

**Piano Concerto No. 2, mvt. II** (Sergei Rachmaninoff)
Connor Shields, piano
Jackie Morelli, piano

**Concertino** (Carl Maria von Weber)
Jeffrey Richardson, clarinet
Jackie Morelli, piano

**Concert pour Vibraphone & Orchestre** (Emmanue SeJourne)
Ryan Chapman, vibraphone
Jackie Morelli, piano

**Scaramouche** (Darius Milhaud)
Carly Laursen, alto saxophone
Bethany Vianna, piano

**Solche hergelauf’ne Laffen from Die Entführung aus dem Serail** (W.A. Mozart)
Matthew Moorehead, bass
Jackie Morelli, piano

**Concerto pour Saxophone Alto et Orchestre** (Paul Bonneau)
Darrel Watson, alto saxophone
Jackie Morelli, piano

**Parto, Parto from La Clemenza di Tito** (W.A. Mozart)
Terra Hurdle, soprano
Jackie Morelli, piano

PHILOSOPHY

Session title: Philosophy Senior Thesis Symposium
Session chair: Susan Daniel
Location: Bellamy Hall (HSS) 111

Presentations
1 – 1:25 p.m., HSS 111
Joseph Baker
*Faculty sponsor: Susan Daniel*

**Title:** What’s Wrong With the Way We Interact? An Examination of Phenomenology

*Abstract:* In this paper I explore the phenomenology of Martin Heidegger, giving particular attention to how we as individuals interact with the world at large, and why that needs to change. I do this by examining how we interact with each other and with the world, according to various philosophers including Martin Heidegger, Immanuel Kant, and Edmund Husserl. Drawing from this exploration I conclude by offering a prescription for such interactions and relationships.

1:30 – 1:55 p.m., HSS 111
Anna Lorance
*Faculty sponsor: Susan Daniel*

**Title:** A Miracle Made in Nowhere: An Argument In Support of Hume’s Theories of Causation and Further the Improbability of the Belief in Miracles

*Abstract:* The objective of this presentation is to defend David Hume’s argument presented in *On Miracles*. By using the definitions provided in the text, the aim is to show that indeed the argument that we ought not believe miracles have occurred is logically sound and relevant. Further, by adding Hume’s argument regarding causation this presentation will show that this further validates the miracle argument.

2 – 2:25 p.m., HSS 111
Allason Feux
*Faculty sponsor: Susan Daniel*

**Title:** The Responsibility of Happiness

*Abstract:* Fyodor Dostoyevsky’s *The Brothers Karamazov* the claim is made that free will and happiness cannot coexist within the same person. This goes against the majority of happiness theories, which take for granted the existence of free will and require it as a major component. While passing feelings of happiness or pleasure may be felt without the active use of free will, in order to achieve actual happiness, free will must be actively exercised. Actual happiness is a personal responsibility and free will is a necessary ingredient to its achievement.

2:30 – 2:55 p.m., HSS 111
Alex Segal
*Faculty sponsor: Susan Daniel*

**Title:** A Creative Means Toward Happiness

*Abstract:* My objective is to argue that the path to happiness is discovered through creative action. I will use the example of the artist to show how creativity can be applied to work, and how it often produces a conscious state of “flow.” Drawing from supporting sources in philosophy, such as Aristotle, Taylor, Collingwood and Nietzsche, I will offer a theory of happiness which can be attained by those who are willing to express themselves and their surroundings in an original way. Through the process of creative activity, means are ends in themselves, and the artist within us flourishes.

3 – 3:25 p.m., HSS 111
Dylan Gilstein
*Faculty sponsor: Susan Daniel*

**Title:** Stoicism, the Path to Happiness

*Abstract:* In the *Encheiridion* Epictetus described his belief that we can obtain happiness through Stoicism. Stoicism explains
the fact that there are things in this world we cannot control such as death and that by understanding and accepting this, we are able to focus upon the things we can control. Doing this will enable us to ignore the things that will distract us from happiness. In this paper I argue that Stoicism is the true path to happiness. Next, I attempt to disprove the theories concerning happiness of other philosophers, such as Richard Taylor’s virtue ethics. Finally, I conclude that Stoicism succeeds where the other philosophers that I discuss fail.

**POLITICAL SCIENCE**

**Session title: Political Science Research Papers**

Session chair: Mary Pettenger  
Location: Werner University Center (WUC) Northwest Foyer

**Posters**

11:30 – 1:30 p.m., WUC Northwest Foyer  
Kathryn Roberts and Alishia Perman  
Faculty sponsor: Mary Pettenger

**Title:** A Case Study of the Public Policy Process: Encouraging Public Transportation at WOU  
**Abstract:** A civic engagement project to increase awareness and usage of public transit was undertaken at Western Oregon University to reduce the amount of CO2 emissions from fossil fuels and demonstrate the public policy process at a local scale. The policy objective included a two-fold focus of promoting the schedule and fares of the available public transit and establishing a partnership between the university and transit company to create a bus pass sale program on campus. The policy goals were carried out through the use of promotional venues on the WOU campus and a proposal to the Business Office to initiate the sale of bus passes. Project outcomes serve to illustrate key policy process steps including identifying stakeholders, working in cross-jurisdictional environments, and using limited resources to achieve the most significant change.

11:30 – 1:30 p.m., WUC Northwest Foyer  
Stephen Mathisen  
Faculty sponsor: Mary Pettenger

**Title:** Israel’s National Security Interests: A Compendium of Analysis  
**Abstract:** Israel represents the nucleus of geopolitical interests in the Middle East region, for it is surrounded by many states composed of governments and nations that desire to eliminate it for various political, religious, and even ethnic reasons. Therefore, its national security is composed of myriad elements and interests directly related to military, border, maritime, and human security. This presentation will first provide an overview of Israel’s “Grand Strategy” and subsequently discuss several of Israel’s national security interests and threats. Lastly, a thorough analysis will be provided concerning the most significant national security threat to Israel: Iran creating a nuclear bomb.

11:30 – 1:30 p.m., WUC Northwest Foyer  
Erica Wills  
Faculty sponsor: Mary Pettenger
Title: Study Abroad Reentry: Emotional Aspects

Abstract: Study abroad can impact a student’s worldview, cultural identity, and broaden their adaptive behavioral repertoire. This study used a survey and interviews to examine study abroad reentry and the relationships between experienced affect upon return and variables such as difficulties in readapting to the home culture, length and perceived positiveness of the study abroad experience. It was hypothesized that students who reported a more difficult reentry transition would report more negative affect. This was supported, and several additional correlations were discovered, including a correlation between cultural distance and reentry difficulty. The reentry process seems to show a complicated interplay between psychological processes.

11:15 – 11:30 a.m., WUC Columbia Room
Shaylene Murray
Faculty sponsor: Chehalis Strapp

Title: Visual Format of the Color Carrier Word and the Impact on the Stroop Effect

Abstract: The present study investigates the visual format of the color carrier word via $\text{cAse \ mIxInG}$ in the context of two Stroop tests. Using a within-subjects design, 30 participants, consisting of 17 males and 13 females (M=22 years, SD=2.3 years) were randomly assigned to either the mixing case test or the standard Stroop test to be completed first and reaction time (RT) was recorded for each test. There was an increased Stroop effect in the mixing case test than in the original Stroop test. Visual format shows an impact in the Stroop effect therefore slowing the RT of participants.
Title: The Effects of Target Valence on Thought Suppression Efficacy

Abstract: The present study investigated the role played by target valence on thought suppression outcomes. In the study, participants were randomly assigned to four valence groups (positive, negative-anxious, negative-depressing, and neutral), which determined the nature of their suppression targets. Participants completed writing tasks in which they recorded the number of intrusions of the target thought, first while suppressing the thought and second while not suppressing the thought. Participants reported significantly more intrusions in the suppression- compared to the nonsuppression-condition, but no difference was found between valence groups, suggesting that target valence is not a major determinant of thought suppression outcomes.

9 – 11 a.m., WUC Pacific Room
Liz Girres
Faculty sponsor: Ethan McMahan

Title: The Effect of Background Music on Short-Term Memory

Abstract: This study is being conducted to test the effects of music on short-term memory. The hypothesis is that background music will impair short-term memory. The participants mean age is 22.5 years, SD=2. There are fifteen males and 10 females. A between-subjects design is used to determine whether the independent variable has an effect. The independent variable is manipulated by having music playing or not, and measuring how many words are recalled. The expected results are that participants who listened to music will not retain as many words as those who have no music. This information could be beneficial to students.

9 – 11 a.m., WUC Pacific Room
Gavin Drake
Faculty sponsor: Ethan McMahan

Title: The Effects of Time Pressure on Memory Based Performance Tests

Abstract: This research examines how college athletes compare to college students under a time pressure situation while taking a working memory-based test. Using a between-subjects design, 24 participants, including 12 males and 12 females (M=21 years, SD=1.57) were randomly assigned to one of three different time pressure groups; high, medium or low. In each time pressure group the same memory-based test was given. In the high time pressure group the college athletes performed significantly better than the college students. These results suggest that college athletes perform better than college students under high time pressure.

9 – 11 a.m., WUC Pacific Room
Scott Thurman
Faculty sponsor: Debi Brannan

Title: A Case Study - The Parkinson’s Experience

Abstract: Previous research has extensively studied individual components of Parkinson’s by studying the disease, but thus far does not address comprehensive impacts and obstacles of a life with Parkinson’s. The common experiences of Parkinson’s can offer insight as to how to provide better care by addressing multiple domains in a person’s life. This hypothetical case study highlights commonalities shared by those with Parkinson’s spanning across social, emotional and biological aspects of life. Possible treatment strategies are discussed concerning the impacts of fatigue, social isolation, increased burdens of care, and family dynamics in order to offer insight to care providers as to the range of care needed by those with Parkinson’s disease. The goal of this article is to highlight that, while interventions are needed to address the disease, providers should keep in mind that interventions are needed to limit the negative impacts of Parkinson’s on a person’s life experience.

9 – 11 a.m., WUC Pacific Room
Emily Mitchell
Faculty sponsor: Ethan McMahan

Title: Personal Space and the Effect of Test Anxiety on Test Scores

Abstract: The purpose of this study is to examine the effects of personal space invasion, test anxiety, and the effect on test scores. Using a between subject design, 24 undergraduate students will be randomly assigned to either a close range or far range seating arrangement, and will be given a word recall task. The distance between the subject and test administrator will be the independent variable. I expect my results to show that close range subjects will not be able to recall as many words as far range subjects due to a heightened sense of anxiety.

9 – 11 a.m., WUC Pacific Room
Amanda Melcher
Faculty sponsor: Chehalis Strapp

Title: The Effects of Sexual Orientation on Blame Attribution in Cases of Rape

Abstract: This study looked at the effects of sexuality on the attribution of blame in rape, and hypothesized that there would be more blame placed on the victim in homosexual, compared to heterosexual rape. Participants were 50 WOU students, including 25 men and 25 women, age ranging from 18 to 25 (M=21, SD=1). For this between-subject experiment, participants were randomly assigned to read a rape scenario that varied the sexuality of victim and perpetrator (both homosexual or heterosexual). They then rated victim/perpetrator blame on a 5 point scale (1 no blame to 5 complete blame). Results supported the hypothesis.

9 – 11 a.m., WUC Pacific Room
Emily Mitchell
Faculty sponsor: Ethan McMahan

Title: The Effects of Chewing Gum on Context-Dependent Memory

Abstract: This research predicts that the relationship between chewing gum while learning new information and during the recall of the information is going to be positively correlated
with each other. By using a two-by-two factorial between-subjects design, 25 to 30 participants are going to be randomly assigned into four condition groups. These groups are as follows: gum during learning and recall, gum only during learning but not in recall, gum during recall but not in learning, and no gum in either condition. According to previous research gum during both conditions should be positively correlated.

9 – 11 a.m., WUC Pacific Room

Patrick Josh
Faculty sponsor: Ethan McMahan

Title: The Effects of Stereotype against a Name

Abstract: It is hypothesized that a name identified with a culture, specifically the Hispanic culture, receives more stereotype than a name that is of Caucasian decent. Participants will be conveniently drawn from a University in the Northwest. Participants will read one of two stories that describe a scenario in which an individual is implicated. The participants will then fill out a questionnaire pertaining to the individuals in the scenario. It is anticipated that the results will support the hypothesis of stereotype being more prevalent amongst individuals with a culturally tied name. The findings will supply additional research to the field of stereotype against a name.

9 – 11 a.m., WUC Pacific Room

Laura J. Morales
Faculty sponsor: Chehalis Strapp

Title: Stereotypes and Smoking: Perceived Attributes of Smokers and Non-Smokers

Abstract: The present study will focus on smoking and the attribution of undesirable stereotypes or characteristics of people who smoke. There will be 20 student participants, consisting of mostly females with a few male participants. This is a between-subjects study. A photo will be shown to participants of either a smoker or nonsmoker. They will then complete a questionnaire about the pictured individual. The expected results are that participants will attribute negative stereotypes with smokers versus non-smokers. This study will help us understand more about how individuals stereotype people solely by their appearance.

9 – 11 a.m., WUC Pacific Room

Anthony Yakovich
Faculty sponsor: Chehalis Strapp

Title: The Effect of Gum on Serial Recall

Abstract: This study predicted that chewing mint gum would impact a student’s serial recall or ability to recall items in the order given. This study used 30 participants in a between-subjects design, with 15 males and 15 females (M = 20 years, SD = 1.00). Participants were randomly assigned to chew either flavorless gum, mint gum, or no gum during the time of learning the items presented and recalling the same items presented in order. Participants chewing the mint flavored gum recalled items presented more accurately than participants with no gum or flavorless. These results suggest that chewing mint gum increases serial recall.

9 – 11 a.m., WUC Pacific Room

Shelby Morgan
Faculty sponsor: Ethan McMahan

Title: Stereotypes and Smoking: Perceived Attributes of Smokers and Non-Smokers

Abstract: The present study will focus on smoking and the attribution of undesirable stereotypes or characteristics of people who smoke. There will be 20 student participants, consisting of mostly females with a few male participants. This is a between-subjects study. A photo will be shown to participants of either a smoker or nonsmoker. They will then complete a questionnaire about the pictured individual. The expected results are that participants will attribute negative stereotypes with smokers versus non-smokers. This study will help us understand more about how individuals stereotype people solely by their appearance.
Title: The Effect of Aromatherapy on Stress among College Students

Abstract: This research predicted that inhalation of lavender essential therapy oil would decrease the stress level of a student. Using a between subject design, 40 participants, including 5 males and 35 females (M=20.5, SD=1.23) were randomly assigned to solve a math problem before and after, to test their stress level. The control group demonstrated a small effect of stress reduction after inhaling the essential lavender oil. These results suggest that exposure to lavender essential oil in a stressful situation can reduce stress but should be examined further.

9 – 11 a.m., WUC Pacific Room
Concepcion Marin
Faculty sponsor: Ethan McMahan

Title: The Effects of Mood on Recall

Abstract: This study predicts that participants who experience the same mood during learning of words and during testing will recall more words from the list compared to those who do not experience the same mood during testing. Participants will include 10 males and 10 females. Placement in the control or experimental group will be random. The experimental group will be induced a mood, given a list of words to read, a distractor task, induced again, and then a test to see how many words they recall. Results will suggest that same mood at learning and testing will help recall more words.

9 – 11 a.m., WUC Pacific Room
Geoffrey Thoma
Faculty sponsor: Chehalis Strapp

Title: Dialectic Thinking and its Effect on Self Esteem as a measure of Ethical Dissonance

Abstract: This research hypothesized that within voting behaviors, higher levels of Dialectic Thinking lead to lower levels of Ethical Dissonance when measured via self esteem. Using a within-subjects design, 40 participants, including 25 females and 15 males (M=20.3 years, SD=1.4) completed the Rosenberg Self-Esteem Scale (RSS) both pre- and post-test, along with the Dialectical Self Scale (DSS). Participants then completed a survey comparing their voting behaviors to the voting history of the 2012 Presidential candidates. The participants with higher scores on the DSS reported higher post test scores on the RSS. These findings suggest that Dialectic Thinking negatively influences Ethical Dissonance.

9 – 11 a.m., WUC Pacific Room
Cecilia Cervantes Padilla
Faculty sponsor: Ethan McMahan

Title: The Effects of Short Term Stress on Working Memory

Abstract: This study predicted that low levels of stress are beneficial for learning. Participants consisted of 13 females and 7 males (M=21.75, SD=4.35 years). Using a between method design, participants were randomly assigned a condition; a no-stress, a low-stress – induced by a variation of the Trier Social Stress Test (TSST), or a high-stress – a more difficult TSST task. Working memory was then evaluated using a Digit Span Test. Participants who received the low-levels of stress performed better at the Digit Span Test. These results suggest that working memory may be improved with low levels of stress.

9 – 11 a.m., WUC Pacific Room
Emily Ayers
Faculty sponsor: Ethan McMahan

Title: A Measure of the Red Effect Across Different Levels of Attractiveness

Abstract: This study measured the red effect across different levels of attractiveness to determine when it is strongest. Twenty-five female students from WOU were surveyed; mean age 21.35. Half the participants were shown three photos of males previously rated as very, moderately, and not very attractive on a white background; the other participants viewed them on red. The two groups were asked to rate the men on attractiveness using a Likert-type scale. Scores from the “white” group were subtracted from “red” to determine the size of the effect at each level. Scores showed a greater effect when the picture was of a moderately attractive individual.

Session title: Psychology Poster Session 2
Session chair: David Foster
Location: Werner University Center (WUC) Pacific Room

Posters

2 – 4 p.m., WUC Pacific Room
Laura Gutierrez
Faculty sponsor: Mary-Ellen Dello Stritto

Title: Abby’s House Student Needs Survey

Abstract: In 2012-2013, a student needs survey was collected from a sample of 318 WOU students (M=21.31, SD=3.87). Students were asked to rate the importance of having services available on campus relating to 35 physical and psychological issues. Among the highest rated concerns were: sexual assault, sexual harassment, date rape, intimate partner violence, rape recovery, and stalking. Students were also asked if they needed information on these issues for themselves and if they knew someone who needed information. These results suggest that there are a significant number of students who have experienced interpersonal violence and are in need of resources.

2 – 4 p.m., WUC Pacific Room
Tesalee Sensibaugh, Justin Karr, Eric Serres, Tyler Grindstaff, and Ronald Alexander
Faculty sponsor: Joel Alexander

Title: Anterior-Posterior and Lateral-Medial Changes in P200 Amplitude during a Self-Evaluation Task

Abstract: The current study explored the influence of self-evaluation on the latencies and amplitudes of the P200 event-related potential. Participants completed a three-stage auditory oddball discrimination task, the first consisting of the
standard oddball task, the next adding a secondary counting task, and the third adding a secondary self-evaluation task. It was observed that the P200 amplitude was more responsive to the self-evaluation task compared to the other tasks. Unlike the P300, the P200 did not show increased latency effects with the increased demands of self-evaluation. This suggests that the P200 has a unique precursor response compared to the P300.

Title: The Effects of a Self-Evaluation Task on the P300 Event-Related Potential

Abstract: It has been shown that P300 amplitude is sensitive to self-identity stimuli (e.g., name) and emotional self-evaluation. Participants completed a three-stage auditory discrimination task. The first stage involved a standard tone discrimination task (oddball), the second stage added a secondary mental counting task, and the third stage added a secondary self-evaluation task (participants reflected on whether they were surprised by the occurrence of the target). Results indicated a large increase in P300 amplitude for the third stage compared to the other stages, which suggests that self-evaluation may utilize more cortical resources than non-self-related cognitive-discrimination tasks.

Abstract: Effects of group collaboration on individuals’ recall capability were studied from an experimental perspective. Contradictory theories on collaborative learning have raised concerns (Basden, Bryner & Thomas, 1997). Researchers suggested that collaboration among group members had negative results on memory; most group members are social loafing, free riding and lack effort (Blumen & Rajaram 2008). Conversely, researchers proved that positive interaction is fundamental for individual recall (Rajaram & Pasarin, 2007). It was hypothesized that 60 participants (30 female, 30 male) with a mean age of 26 years (SD=4.814) from the Willamette Valley engaged in collaborative discussion would recall more words than individuals who did not engage in discussion. Findings implied that collaborative discussion influenced individuals’ recall capabilities.

Title: Is the State of Hopefulness Influenced by a Good Mood?

Abstract: This research predicted that a person in a good mood would have a higher score in state hopefulness than a person in a neutral mood. Using a between-subjects design, 30 participants, including 15 females and 15 males (M=19.5 years, SD=1.21) were randomly assigned to a neutral mood or a good mood induction procedure using music while reading self-referent statements and then rated their state hopefulness. The participants in a good mood had higher hopefulness scores than those in a neutral mood. These results suggest that a good mood influences hopefulness.
2 – 4 p.m., WUC Pacific Room

Brooke Ansotegui
Faculty sponsor: Ethan McMahan

Title: The Effects of Self-Efficacy on Performance Levels

Abstract: The hypothesis for this study is that there is a positive correlation between self-efficacy and test performance. The participants will be 20 female students and 20 male students from the Psychology department at WOU, ages 18 to 24. The research design will be a between-subjects design. The independent variable, self-efficacy, will be manipulated by what the researcher says to the participants prior to giving them the test. The dependent variable, test performance, will be measured by the number of questions answered correctly on the test. The results are expected to show that higher self-efficacy leads to better test performance.

2 – 4 p.m., WUC Pacific Room

Cassandra Selina Olson
Faculty sponsor: Chehalis Strapp

Title: Effects of Plants on Mood

Abstract: This research studied the possible benefits of the plants on current mood; hypothesizing mood will differ from pre to post Horticulture Therapy Based interaction with the plants. Fifty students including 25 men and 25 women, age ranging from 18 to 25 (M=21, SD=1). Participants took a pre and post test to measure their current mood, Quick Mood Scale (1998, John Wiley & Sons, Ltd.), 12-item category measured effects of plants on the central nervous system. Moods tests they interacted with the plant designed to spark the central nervous system. Results support the hypothesis.

2 – 4 p.m., WUC Pacific Room

Erik Swanstrom
Faculty sponsor: Chehalis Strapp

Title: The Impact of Color on Memory Recall

Abstract: The research predicted that there would be a significant difference in memory recall, between the two word groups. The purpose was to find a difference between recalling words with black ink compared to words with various colored ink. Using a between-subjects design, 30 participants, were randomly assigned to read and memorize a set of 20 words. Subjects were then asked to accurately recall as many words as possible from the first set of words. The results found that the colored group’s scores differed from the non-colored group scores. These results suggest that color does impact memory recall.

2 – 4 p.m., WUC Pacific Room

Daniel Fohl
Faculty sponsor: Ethan McMahan

Title: The Effects of Lavender Aroma on Working Memory

Abstract: This study predicted that lavender aroma slows down cognitive functioning, resulting in a diminished memory capacity. Using a between-subjects design, 40 participants, including 18 males and 22 females (M=20.5 years, SD=1.15) were randomly assigned to one of two independent groups, and subsequently performed a cognitive assessment battery in a quiet room with either Lavender aroma or none. Analysis of performance showed that lavender aroma produced a significant decrease in working memory capacity. This research suggests that decreased levels of stress due to lavender aroma influences working memory.

2 – 4 p.m., WUC Pacific Room

Juli Nibler
Faculty sponsor: Chehalis Strapp

Title: Mnemonic and text material recall

Abstract: This research predicted that participants using mnemonic techniques to remember read material will recall a different amount of information relative to those not using mnemonic techniques. Using a between-subject design, 25 participants, including 13 males and 12 females (M=21.5, SD=4.5) were randomly assigned to either the mnemonic technique group, or a control group, and asked to read a 300 word passage, then complete a multiple choice quiz. Participants using the mnemonic technique demonstrated higher levels of recall on the quiz. These results suggest that mnemonic techniques may be an effective way to increase reading memory.

2 – 4 p.m., WUC Pacific Room

Matthew Harris
Faculty sponsor: Ethan McMahan

Title: The Effects of Unconscious Stimuli on Decision Making

Abstract: The purpose of this study is to test the ability of unconscious stimuli such as colors, words, and symbols, to influence conscious decision making with relation to color. Participants will consist of 20 Western Oregon University students, 14 females and six males, with a mean age of 23, and a standard deviation of 2.3 years. I will be using a between-subjects design with one experimental group receiving one treatment of the independent variable, (unconscious stimuli) being compared to a control group (neutral stimuli). I expect to see a significant influence of unconscious stimuli such as colors, words, and symbols, to influence conscious decision making with relation to color. Participants will consist of 20 Western Oregon University students, 14 females and six males, with a mean age of 23, and a standard deviation of 2.3 years. I will be using a between-subjects design with one experimental group receiving one treatment of the independent variable, (unconscious stimuli) being compared to a control group (neutral stimuli). I expect to see a significant influence of unconscious stimuli on decision making.

Session title: Psychology Keynote Speaker, Western Oregon University Psychology Student Association (WOUPSA) Club
Session chair: David Foster
Location: Werner University Center (WUC) Columbia Room

Psychology Keynote Speaker, WOUPSA Club

3 – 4 p.m., WUC Columbia Room

Elliot Berkman, assistant professor, University of Oregon

Title: A Social Affective Neuroscience Perspective on Health Goals
Prior research findings show an increase in the sexualization of images used in the media. My study examines the changes over time in the sexualization of images put on the cover of Sports Illustrated Magazine. The study shows the different races, genders, and levels of sexualization that occurred on each cover of the magazine from 1954-2012. My data was collected through a content analysis. Each cover was analyzed and the coding included: gender, race, sexualization, and whether it was a swimsuit edition or not. It is predicted that there will be no significant change in sexualization using the normal editions of Sports Illustrated, but there will be a significant change in the sexualization of the swimsuit edition.

10 – 10:15 a.m., HSS 235

Carrie Haynes
Faculty sponsor: Dean Braa

Title: Women, Work, and Food: The Renegotiation of Food Work in the Family

Abstract: Previous research supports the idea that women continue to be the primary food providers within the family. This study seeks to determine if the increasing number of women returning to work results in a renegotiation of the household division of labor between partners in the kitchen. Interviews with 22 working women suggest that women tend to remain the primary food providers even if both partners work. Evidence also points to a sense of failure and inadequacy felt among working women who feel they cannot accomplish their responsibilities to their maximum potential.

10:15 – 10:30 a.m., HSS 235

Kaila Gibson
Faculty sponsor: Dean Braa

Title: Analysis of Homeless Services in Polk and Marion Counties

Abstract: Prior research findings show an increase in homeless services since the 1980s when more people faced a decline in income and became homeless. The objective of this research project is to address some barriers that those who are homeless face when trying to access services that would end their homeless state. This is a qualitative study with data collection taking place throughout Polk and Marion Counties. Interviews and surveys were conducted at nine different service facilities with 30+ individuals who are homeless or service providers.
10:30 – 10:45 a.m., HSS 235
Questions and Discussion

10:45 – 11 a.m., HSS 235
Shelby Ivie-Miller
Faculty sponsor: Maureen Dolan

Title: The Household Division of Labor and the Segregation of Labor Among Heterosexual Couples

Abstract: This study seeks to explain a new perspective of the household division of labor by also looking into the segregation of labor by gender, while women continue to gain equality outside of the home, they are still faced with inequalities inside the home. Women in the United States perform two-thirds more housework than their mates. In addition to the differences in the amount of housework being performed, said housework is also highly segregated by gender. This study identifies the trend of “male” and “female” typed housework and seeks to explain the reasons behind both the division and segregation of household labor.

11 – 11:15 a.m., HSS 235
Questions, Discussion and Final Remarks

SPANISH
Session title: Spanish Presentations
Session chair: Patricia Giménez-Eguíbar
Location: Health and Wellness Center (HWC) 204

In these presentations, students will explore the meaning of being Latino in the United States and describe the lives of famous people within the Hispanic World. Some students have chosen an aspect of being Latino within the United States (e.g., cultural, political, or economic aspects, immigration experiences, the role of women, bilingual education, Latino identity, etc.) and will offer their thoughts about these relevant issues. Other students have chosen a famous Hispanic in History (e.g., Sor Juana Inés de la Cruz, Pablo Picasso, Gabriela Mistral, Manuel Elkin Patarroyo, Rigoberta Menchú, etc.) and will share how these leading figures have inspired them.

Presentations

1 – 1:07 p.m., HWC 204
Alvarez, Marina
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Rights)

1:10 – 1:17 p.m., HWC 204
Bartshe, Yaneth V.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

1:20 – 1:27 p.m., HWC 204
Argueta, Fabian
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Political Aspects)

1:30 – 1:37 p.m., HWC 204
Chavez, Monserrat
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

1:40 – 1:47 p.m., HWC 204
Arzola, Erica
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Economic Aspects)

1:50 – 1:57 p.m., HWC 204
De Los Santos, Jessica
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

2 – 2:07 p.m., HWC 204
Barragan, Dorian
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Controversies)

2:10 – 2:17 p.m., HWC 204
Garcia-Chavez, Sylvia E.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

2:20 – 2:27 p.m., HWC 204
Diaz, Karla L.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Cultural Aspects)

2:30 – 2:37 p.m., HWC 204
Garcia, Jose R.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

2:40 – 2:47 p.m., HWC 204
Lopez Garcia, Ivan A.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Immigration)

2:50 – 2:57 p.m., HWC 204
Guzman, Karina
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

3 – 3:07 p.m., HWC 204
Lopez-Alfaro, Adaleni
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Education)
3:10 – 3:17 p.m., HWC 204
Magana, Zulema P.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Famous Hispanics in History

3:20 – 3:27 p.m., HWC 204
Quiroz, Jacqueline
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US

3:30 – 3:37 p.m., HWC 204
Vargas Sierra, María L.
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Being Latino in the US (Identity)

3:40 – 4 p.m., HWC 204
Erika Azorla
Faculty sponsor: Patricia Giménez-Eguíbar
Title: Closing Thoughts

SPECIAL EDUCATION
Session title: Special Education Presentations
Session chairs: Pamela Cancel
Location: Werner University Center (WUC) Willamette

Presentations

9 – 9:30 a.m., WUC Willamette
Pv Jantz
Faculty sponsor: Chung-Fan Ni
Title: Dysconscious Ablism

Abstract: Joyce King coined the term “dysconscious racism” as a form of racism that implicitly accepts dominant white norms and privileges. It is not the absence of consciousness but impaired consciousness. Genie Gertz modified King’s work with regards to audition and defined “dysconscious audism” as a form of audism that tacitly accepts dominant hearing norms and privileges. I present the term “dysconscious Ablism” and define it as a form of discrimination that tacitly enforces dominant able-bodied norms and privileges. This impaired consciousness emphasizes the ideology that being able-bodied is far superior to being disabled, whether it is physical, mental, or cosmetically.

9:35 – 10:05 a.m., WUC Willamette
Carissa Culver
Faculty sponsor: Elisa Maroney
Title: Determining the Effects of Individuals’ Personal Background on Their Perception of a Song and the Lyrics Therein

Abstract: The purpose of this study is to determine whether a person’s background, including culture, family life, and association with other groups has anything to do with how they interpret and then translate a song. Does someone’s background affect their decision making and creative processes in regards to translating a song? The researcher is attempting to discover why different people understand the meanings in a song differently, as well as how that plays into their interpretations and translations.

10:10 – 10:25 a.m., WUC Willamette
Nicole Kenney
Faculty sponsor: Edwin Cancel
Title: What ESL Methods Work Best with Deaf Latino Youth?

Abstract: Latino deaf students in America make up about 30 percent of all deaf/hard-of-hearing school age children in America. What is being done to address the unique needs of these students? More and more the call for a bilingual approach to educating deaf students is being made. This typically means using ASL to teach the reading and writing of English. But, what if these students know and/or use Spanish in the home? Can their knowledge of Spanish be used to teach reading and writing English? Is there anything that would impede that from being successful? If so, what? Are there any ESL methods that can be applied with this population? This presentation explores the efforts of one WOU student and her efforts at finding out.

10:30 – 11 a.m., WUC Willamette
Danielle Fleskes and Lindsay Meyer
Faculty sponsor: CM Hall
Title: Service Learning and Professional Exploration with Deaf-Blind Adults

Abstract: This service learning experience is unique in its ability to engage students’ commitment to volunteerism, their bilingual and bicultural talents, and connect it to their future professional pursuits and passion. Through collaborative team-building, examination of systems of institutional oppression, and concentrated learning, students prepare to serve as professional support service providers working with Deaf-Blind adults from around the globe. Advanced preparation involves over 120 hours studying about Deaf-Blind people, fundraising and practicing guiding and communication techniques to match the variety of hearing and vision losses. This training then culminates in a week-long service trip who experience a fully accessible vacation.
1 – 1:30 p.m., WUC Willamette

Darcie Chin

Faculty sponsor: Kara Gournaris

Title: Bilingual Method: Literacy Skills for Deaf Learners

Abstract: Using the bilingual method for teaching English as a second language to learners in K-12 Deaf residential schools is valuable for developing literacy in both reading and writing skills. The benefits of using the bilingual method in the classroom is to provide D/deaf learners with a holistic approach to learning. Learners are exposed to cultural issues and become respected members of both the hearing and Deaf populations. Learners also have a positive view of both ASL and English as equal languages. The skills and abilities that develop from a bilingual education result in opportunities for personal, social, and economic growth.

1:35 – 1:50 p.m., WUC Willamette

Miranda Steege

Faculty sponsor: Kaitie Heise

Title: Building an Electronic ASL Portfolio

Abstract: This project explores the many ways in which students and professionals in the field of American Sign Language can utilize technology to create a unique and accessible portfolio that showcases their areas of passion and expertise. Using my own online portfolio as a sample, I will explain how interpreters, teachers, and other professionals who use ASL can showcase their ASL skills online.

2 – 3 p.m., WUC Willamette

Darcie Chin, Angela Foley, Ariela Foley, Margaret Harris, Lindsay Meyer, Zachary Rarrick, and Cheryl Witters

Faculty sponsor: Pamela Cancel and Edwin Cancel

Title: Performance Interpreting Unplugged: An Inside Look at Performance Interpreting

Abstract: In this session, the inaugural Interpreting for performing arts class, will discuss the process involved in bringing theatre to life in American Sign Language. In collaboration with Pentacle Theatre, students were given a rare opportunity to participate in the full creative process required to bring a full-length play from script to stage. Students will discuss the techniques and process used to translate the stage production of Legally Blonde at Pentacle Theatre. Students will also address the importance of community partnerships, making theatre accessible, and the unique characteristics of performance interpreting.

STUDY ABROAD AND INTERNATIONAL EXCHANGES

Session title: Stories from Argentina—Digital Productions by WOU Study Abroad Students

Session chair: Michele V. Price

Location: Health and Wellness Center (HWC) 105

Digital storytelling is a powerful tool for helping students bring their study abroad experience full circle. The process of creating a digital story leads students to reflect more deeply on their time abroad as they brainstorm, create storyboards, write scripts, and finally produce their stories.

Inspired by the work of the Center for Digital Storytelling and the Digital Storytelling Working Group, Western Oregon University’s Office of Study Abroad and International Exchanges, in collaboration with WOU’s Writing Center, has implemented digital storytelling as one of the requirements for the Study Abroad Capstone Project.

Presentations

1 – 2 p.m., HWC 105

Cain Burchell

Faculty sponsor: Michele V. Price

Title: This is My Journey to Learn More

Abstract: I encountered a lot of new things in Argentina. I saw new sights, smelled new smells, and heard new sounds. I experienced this new place through the filter of my past experiences. I cannot explain the reason for many of the things that occurred in my new environment. This is my journey to learn more.

1 – 2 p.m., HWC 105

Melissa Carver

Faculty sponsor: Michele V. Price

Title: The Dirty War

Abstract: The Dirty War that happened in Argentina was and still is a very touchy subject for the people who live there. It was a huge historical event that took place from 1976-1983. I think everyone should have some understanding of the devastation that occurred. I made this video to try to interest people to research and find out more about the Dirty War. I can’t believe that I have lived for 23 years and have never heard about this. The Dirty War is one of those events that you want to learn about so history doesn’t repeat itself.

1 – 2 p.m., HWC 105

Jessie Padilla

Faculty sponsor: Michele V. Price

Title: Discovering Argentina’s Heart and Soul

Abstract: This digital story is a capstone project I created to summarize my 3 and a half week study abroad journey in Rosario, Argentina during the summer of 2012. As a student, wife, mother, and future elementary teacher, my decision to travel alone to another continent was multi-dimensional. I desired an immersion into the familiarity of being a cultural and linguistic minority, both things I had never experienced, for a better understanding of and empathy for my future students and their families. What I discovered was so very much more. This is my story.
**Presentations**

11 – 11:15 p.m., ED 217 and 204/205

Rachel Silver  
*Faculty sponsor: Holly Eckles*

**Title:** ED 100 “My Choice” Project  
**Abstract:** In Holly Eckles’ ED 100 class, we have a final project which is titled the “My Choice” project. This project gave us the freedom to choose how we wanted to present the information we had gained throughout the course. I chose to make a poster which artistically represented me and my values that have helped shape my “teacher identity”. Through various pictures, I addressed specific values/qualities that I view as the most important ones for me as a teacher. My proposed presentation would speak about these qualities, and how my pre-service teacher training has developed them.

11:20 – 11:35 a.m., ED 217 and 204/205  
Jessica Brookens  
*Faculty sponsor: Holly Eckles*

**Title:** Climbing Mountains  
**Abstract:** We were asked to create a project that combined our experiences with what we learned in ED 100. Each part of the picture represents a different idea, so that the picture is a summary of what I believe it is to be a teacher.

11:40 – 11:55 a.m., ED 217 and 204/205  
Gina Green  
*Faculty sponsor: Holly Eckles*

**Title:** “I Want To Be…” (A children’s book)  
**Abstract:** This is a children’s book told from the perspective of a little girl who wants to be a teacher someday. She has a teacher who is highly invested in helping her students succeed and teaches them this lesson with a little gardening project. Children are like blossoms, they just need the right conditions to flourish. This book is the combination of my creative thought and a professor who encouraged me to see the world from a student’s point of view. As a future educator, this is a snapshot of what I hope to inspire in my students; that no matter what your circumstances are, you can be whatever you wish and I will help you get there.

4:30 – 4:45 p.m., ED 116  
Carole Ward  
*Faculty sponsor: Carmen Cáceda*

**Title:** Cultural Backpack  
**Abstract:** This video depicts my personal culture by showing objects that represent my identity, my origins, and what has shaped me to be the person I am today. By better understanding my own culture, it has made me more responsive to my students’ cultures and has allowed me to create a classroom that embraces students’ backgrounds. As I near the completion of my student teaching, my own personal culture has started to shift, as have many of my personal views. The importance of culture within the classroom has become clearer to me, as have my ideas about identifying my own beliefs.

**Posters**

5 – 7 p.m., ED 217 and 204/205  
Kayla Allen  
*Faculty sponsor: Ken Carano*

**Title:** Does a Positive Student-Teacher Relationship Motivate a Student to Perform Better in Class?  
**Abstract:** The purpose of this study is to determine, through a collection of data, whether or not a positive student-teacher relationship motivates a student to perform better. The purpose is to determine, to what degree, does a teacher’s approachability affect students’ performance in a mainstream language arts class. The data was gathered from 35 students and one language arts teacher. The methods used in this study were surveys and semi-structured interviews. I am performing this research to benefit future education majors as well as present teachers, on their approach to teaching and creating relationships with their students.

5 – 7 p.m., ED 217 and 204/205  
Jesse Barfknecht  
*Faculty sponsor: Steven Wojcikiewicz*

**Title:** Does Playing Music During Physical Education Class Increase Moderate to Vigorous Physical Activity “MVPA” Levels?
Abstract: Does playing music during physical education class increase physical activity levels? The purpose of this study was to monitor moderate to vigorous physical activity “MVPA” levels with and without music playing. If music shows to increase activity levels in physical education classes, it could lead to significant increases in planning lessons centered on or around musical activities. Sixteen students participated in this study at a middle school located in Oregon. Data was recorded 30 minutes a day, for five days via MVPA logs and surveys. Initial findings show an average of a 10 percent increase in physical activity levels with music.

5 – 7 p.m., ED 217 and 204/205
Benton Canaga
Faculty sponsor: Steven Wojcikiewicz

Title: What is the Relationship Between Academic Achievement, Classroom Behavior and Seating in a Middle School Classroom?

Abstract: This project is being completed in a middle school classroom of 8th grade students. The first unit was comprised of unassigned seating and the second unit was teacher assigned seating. The purpose of this study is to find what is more effective for the students learning. I am evaluating grades as well as the noise level of the classroom. The noise level can be high as long as it is a productive noise level. I am searching for the ideal seating assignment where the grades are up as well as a productive noise level type environment. My methods consisted of the teacher (me) assigning the second unit assigned seats based off what I knew from the students in the first unit of unassigned seats. I also had a noise level rubric I used daily. So far, I have found, in regards to grades there is absolutely no difference at all. The averages of both units were both about 85 percent.

5 – 7 p.m., ED 217 and 204/205
Victoria Deplois-Basl
Faculty sponsor: Ken Carano

Title: Using Primary and Secondary Documents in the Classroom

Abstract: The topic that will be covered in the presentation is the use of primary and secondary documents in the classroom. The purpose of the study is to determine which type of document enhances students learning as well as their engagement in the classroom. In the classroom that this project is being conducted there is freshmen students from a variety of socio-economic and racial backgrounds. The method for conducting the research will consist of studying students’ pre and post results on tests after students have been taught a unit using primary and secondary documents along with student interviews.

5 – 7 p.m., ED 217 and 204/205
Rachel Dixon
Faculty sponsor: Ken Carano

Title: Motivations and Attitudes of High School Spanish Students

Abstract: This research explored the motivation and attitudes of Spanish language learners in an Oregon high school. Learners at this school are in a unique socio-cultural context where Spanish is spoken by almost half of the families at the school, yet Hispanics/Latinos in the community are often marginalized. First and fourth-year students were surveyed to determine the motivations and attitudes of first-year students, compared to fourth-year students. Fourth-year students were also questioned about how their motivations and attitudes have changed over the years. The results can be used to determine which motivations and attitudes correlate with persistence in language-learning.

5 – 7 p.m., ED 217 and 204/205
Sarah Fast
Faculty sponsor: Steven Wojcikiewicz

Title: Creating a Classroom Community through a Collaborative Ceramic Project

Abstract: The purpose of this study is to determine how creating a collaborative ceramic project affects the sense of community within the art classroom. The study took place in a high school mixed level ceramics class. Data was collected prior to the introduction of the project and after the completion of this project. The collaborative project was a ceramic mosaic of this school’s mascot. Through the collection and analysis of surveys and observations, the data provides information on how creating this collaborative ceramic project affects student motivation, social interactions, and the classroom environment.

5 – 7 p.m., ED 217 and 204/205
Brandon Fink
Faculty sponsor: Steven Wojcikiewicz

Title: Word Walls in a Social Studies Classroom

Abstract: This poster will present my research done in a 10th grade Global studies classroom with 32 students of various backgrounds. The study looks at the effects of a content specific word wall on the comfort level of the students in the class. The purpose is to see if word walls can help student feel more comfortable with content in a social studies class. The students will be asked to take a pre and a post survey and they will be observed during the data collection time period. Data collection is ongoing.

5 – 7 p.m., ED 217 and 204/205
Joseph Frederic
Faculty sponsor: Ken Carano

Title: Examining the Relevance of High School Art Curriculum in Oregon

Abstract: Interest plays a vital role in authentic learning. When good teachers share their passion for a subject with truly interested students, deep understanding of new ideas can change perspectives and instill valuable new skills. In this action research project, I examine the correlation between the curriculum in high school art classes and what students and teachers find relevant and interesting in the subject of art. I examine the standards based process of curriculum development and its effect on student interest in the subject of art.
**Reading Comprehension and Audio Recordings**

Submitted by: Brittany Kemper  
Faculty sponsor: Ken Carano

**Title:** Textbook-Based Instruction and Non-Textbook-Based Instruction in Ninth Grade Geography: A Comparative Study

**Abstract:** This professional project utilized a comparative framework to analyze the effects of textbook-based instruction on student attitude in a 9th grade geography classroom. The study was conducted over a four-week period with sixteen high school freshmen. The study utilized control and experimental groups: the control group received textbook-based instruction while the experimental groups participated in non-textbook-based learning. The researcher employed a variety of research methods including surveys, rating scales, student interviews, and classroom observations. The research results indicated that students who participated in non-textbook activities exhibited more positive attitudes towards geography than students who solely studied the textbook and textbook-based materials.

**Student Agency**

Submitted by: Olivia Haptonstall  
Faculty sponsor: Steven Wojcikiewicz

**Title:** Student Motivation for Creating Art in the Art Classroom

**Abstract:** The purpose of this action research study is to figure out the relationship between grading student artwork and students’ willingness to experiment with art techniques inside the classroom at Rainy Day High School in Drizzle, Ore. How do graded assignments versus ungraded assignments affect student motivation to experiment with art techniques when creating art in school? I observed two beginning drawing classes, sixth period and seventh period, and collected data over a period of two weeks using observations, student projects, and student surveys.

**After School Clubs**

Submitted by: Benjamin Hynes-Stone  
Faculty sponsor: Steven Wojcikiewicz

**Title:** Transcending the Classroom: Writing, The Future, and Student Agency

**Abstract:** I am using a Likert scale survey, as well as a written questionnaire, to determine if high school freshmen (in two of the freshman classes I teach) believe writing skills are necessary in the workplace and/or college. This research is important because if educators can better understand what individual students believe about writing, as well as understand their beliefs about the necessities of writing after high school, teachers could be better prepared to bridge the gap between today’s young adults and the experienced, trained, and capable workers they should ideally become.

**Art Clubs**

Submitted by: Sarah Lopez  
Faculty sponsor: Ken Carano

**Title:** Art Clubs: A Positive Effect on Student Engagement

**Abstract:** After school clubs are a rite of passage for students and their development. When children are at the age where they are encouraged to participate and a sense of community and belonging are crucial, after school clubs provide that. In this action research project, I am hoping to discover the benefits of having an after school art club for high school students. There is intrinsic and extrinsic value to providing an after school program; building a sense of community and belonging through sharing a certain interest, increasing students to take pride in their artwork and increasing engagement in their classes.

**Instruction in Ninth Grade Geography: A Comparative Study**

Submitted by: Robert Morrissey  
Faculty sponsor: Steven Wojcikiewicz

**Title:** Student Motivation for Academic Success

**Abstract:** This study took place in a 9-10th grade classroom in which students were asked to describe their opinions and feelings for motivation, in an academic setting. Students participated in a survey that aimed to understand who and what motivates students and what teachers have done to motivate students previously. A small subgroup was selected to participate in a focus group interview in which student motivation was further examined. The qualitative findings were analyzed and examined in hopes to find commonalities among students and successful techniques teachers have used and may use going forward in their own classrooms.

**And Then What Happened? A Study on the Affects of Reading Comprehension and Audio Recordings**

Submitted by: Natacha Oh  
Faculty sponsor: Steven Wojcikiewicz

**Title:** Promoting Student Motivation, Engagement, and Participation at the Middle and High School Levels, through the Incorporation of Self-Awareness and Self-Reflection Practices

**Abstract:** This action research project’s purpose is to learn -from the sampled students’ - what teachers can do to add meaning, and relevance into their teaching in order to help students engage with their lessons. The research design will be analyzed qualitatively. Data will be triangulated to add validity, credibility, and dependability to my research. My research methods will be composed of students’ interviews, focus groups, and audio recordings while students read, and the student’s reading comprehension. To complete this study, students read short stories for two weeks. During the first week, students read silently and answered four comprehension questions. During the second week, students read silently, but they also had an audio recording playing while they read. Again they answered four comprehension questions per story. The study was performed in an eighth grade class in a small town middle school. Initial findings show that students’ comprehension scores improved during the audio sessions.
class observations. The research scope will consist of a small group of students gathered by a “sample of convenience”. Recruitment efforts won’t be necessary, since all participating students are in my five practicum classes.

5 – 7 p.m., ED 217 and 204/205

Christen Pagett
Faculty sponsor: Ken Carano

Title: Making Learning Personal: Relevance in the Classroom

Abstract: As America experiences the rise of standardized testing, this research argues that the most effective learning happens not when students are pressured into high performance but when students see the relevance of the education. This project explored this idea by assigning two projects to 8th grade students – one assignment was teacher directed and the other involved student choice. After the implementation of both of these assignments, the performances from both were compared, surveys regarding student interest were administered, and observations were recorded to discover if students’ perception of relevance of the material effected the level of their work.

5 – 7 p.m., ED 217 and 204/205

Paul Neiffer
Faculty sponsor: Diane Wood

Title: Refutation Texts and Misconceptions in the Science Classroom

Abstract: Refutation texts are texts designed to contradict science misconceptions. The aim of this study was to investigate the use of refutation texts for promoting conceptual change amongst freshman physical science students. Three texts were selected for students to read, and the effect on student learning was measured using a pre- and post-test. The results of the study suggest that integrating the reading of refutation texts into science instruction may be a constructive practice for teachers to use in order to help their students overcome inaccurate beliefs.

5 – 7 p.m., ED 217 and 204/205

Dustin Quandt
Faculty sponsor: Steven Wojcikiewicz

Title: How does Homework Productivity Relate to Student Grades in a Proficiency-Based Grading System?

Abstract: Standards-based grading systems are based on the idea that the grades a student receives should accurately reflect their mastery of the associated content, which in turn is related to standards. As Brookhart puts it, “grades are not about what students earn; they are about what students learn”. This action research project focuses on determining how students and teachers are reacting to the transition to a standards based grading system in Talmadge Middle School. Correlations between student homework productivity and their academic grades are found, as well as strategies teachers can use within their classroom to make the transition efficiently.

5 – 7 p.m., ED 217 and 204/205

Roy Rhines
Faculty sponsor: Ken Carano

Title: A Study of Music to Help Increase Physical Activity in PE

Abstract: The topic of this action research project is music and if it can increase physical activity in PE. The participants were 23 7th and 8th grade middle school students (13 boys and 10 girls). The purpose of the study is to see if by playing music during the warm-up and fitness portions of the lesson physical activity would increase. This was done by the participants wearing pedometers to count steps during activities as well as student being monitored for MVPA. Initial findings have shown a slight increase in physical activity while music is playing compared to when it’s not.

5 – 7 p.m., ED 217 and 204/205

Mitch Staehle
Faculty sponsor: Steven Wojcikiewicz

Title: Effective Teaching Strategies for Advanced Topics Courses in Mathematics

Abstract: The goal of this professional project is to target which methods of teaching math are most engaging from a students’ perspective. The three teaching strategies used over three different lessons were a traditional method, technology based, and emphasis on group work. The target population was a functions, statistics, and trigonometry high school class (also known as pre-calculus). The study involved ten participants who remained anonymous. To measure students’ engagement level, there were three methods to collect data: questionnaires, group interviews, and observations. The findings from this research project show students engagement level highest when given technological resources and working with their peers.

5 – 7 p.m., ED 217 and 204/205

Matt Steele
Faculty sponsor: Ken Carano

Title: How Music Affects Student Engagement and Mood

Abstract: Student engagement is a very important tool to the success of classroom management, and achieving an environment conducive to learning. The goal of this research is to discover how music affects student engagement and student mood. The population consists of 14 high school band students whom took a likert scale style survey/questionnaire and six students at random were selected to partake in interviews about band in comparison with other classes. The initial findings are simply that students enjoy playing music, and like being involved in band. Through the research, this notion of flow theory and band should be further researched.

5 – 7 p.m., ED 217 and 204/205

Katie Torland
Faculty sponsor: Ken Carano

Title: A Case Study: Physical Activity in the Classroom
Abstract: Physical education is a fading subject in the U.S. school system regardless of the infinite positive effects that movement provides. Consequently, students have fewer opportunities to be active throughout the day which leads to major health concerns amongst our youth. A Case Study: Physical Activity in the Classroom is designed to see how incorporating physical activity into an 11th grade Health 2 curriculum would affect the students. For two and a half weeks the teacher incorporated activity breaks that consisted of basic movements and lasted two to three minutes. Information and findings will be gathered through pre/post student surveys and pre/post informal teacher interviews.

5 – 7 p.m., ED 217 and 204/205
Megan Wacker
Faculty sponsor: Steven Wojcikiewicz

Title: Rote Memorization in Theater Education

Abstract: In an education world where memorization is a primary focus, theater provides an ideal situation to test various memorization techniques. In this memorization study, four classes were each assigned one technique each to memorize a monologue from Moliere’s Tartuffe. Students were tasked to use one of four techniques: aural memorization, segmented memorization, partner memorization and written memorization. This presentation walks through the findings of those four memorization techniques and ultimately the various impacts of defined rote memorization upon students.

5 – 7 p.m., ED 217 and 204/205
Emmet Whittaker
Faculty sponsor: Ken Carano

Title: Pedagogy of Authenticity: Impact of Online Communication Tools on Cultural Perceptions

Abstract: This project connects pre-service social studies teachers with an advanced English Language class in Gaza, Palestine, via the ICT (Information and Communication Technology) application, Skype. This study examines the Skype exchanges, within the context of cultural representation in mainstream media and curriculum. Analysis includes an assessment of the impact on cultural perceptions, and recommendations on how online communication tools can enhance cultural representation in K-12 instruction. Initial results suggest that providing avenues for people to people connections can enhance cultural awareness through humanizing the content, and context, in addition to allowing avenues for a broader, more authentic narrative.

THEATRE

Session title: Special Performance of Half a Block from Home
Session chair: Michael Phillips
Location: Rice Auditorium (RA)

Performance

2 – 4 p.m., RA 113

Student cast: Amanda Norman, Amanda Konstantin, Clare McKay, Jill Ekins, Morgan Josef-Weiner, Kimberly Wilson, Tia Laulusa, Erin Cunningham, Margaret Sherbourne, Declan Hertel, Richard Borland, Ken Tang, and Trevor Jackson

Student design and technical staff: Danielle Potter, sound design; Chloe Josef-Weiner, projections design; Jenessa Raabe, lighting design; Joceline Wynn, lighting design; Kelsi Hennig, stage manager; Matt Whitesell, assistant stage manager; Kelly Gray, poster design

Title: Half a Block from Home

Abstract: The students of WOU’s Theatre Department are proud to present Half a Block from Home, a new devised work. Created from the ground up over the course of the academic year, the play examines social justices issues in Oregon and further afield. Taking the 100th anniversary of women’s suffrage as the starting point, the play uses poetry, monologues, interviews, and scenes to address issues of gender, race, and gay rights. With a sense of humor, and a dose of satire, we invite you to join us for a night of storytelling about issues that affect us all.

Session title: Theatre Senior Capstones
Session chair: Tad Shannon
Location: Rice Auditorium (RA) 113

Presentations

9 – 9:20 a.m., RA 113
Christine Greenhalgh
Faculty sponsor: Tad Shannon

Title: Capstone Presentation

9:20 – 9:40 a.m., RA 113
Hannah Arriola
Faculty sponsor: Tad Shannon

Title: Capstone Presentation

9:40 – 10 a.m., RA 113
Joseph Baker
Faculty sponsor: Tad Shannon

Title: Capstone Presentation

10 – 10:20 a.m., RA 113
Isabel Bristow
Faculty sponsor: Tad Shannon

Title: Capstone Presentation

10:30 – 10:50 a.m., RA 113
Vicktoria Hough
Faculty sponsor: Tad Shannon

Title: Capstone Presentation

10:50 – 11:10 a.m., RA 113
John Rogers
Faculty sponsor: Tad Shannon

Title: Capstone Presentation
Acknowledgements

The 2013 Academic Excellence Showcase Planning Committee

Brian Caster, Lisa Catto, Bryan Dutton, Nan Lehto
Ethan McMahan, Betty Orwick, Janeanne Rockwell-Kincannon
Erin Passehl, Nathan Sauer

The Academic Excellence Showcase Planning Committee gratefully acknowledges the generous support of this program provided by President Mark Weiss and Vice President of Academic Affairs Stephen Scheck. Thanks are extended to Dean Diane Tarter (College of Liberal Arts and Sciences) and Dean Mark Girod (College of Education), whose support of this event has been unwavering. We are most appreciative of Nan Lehto and the Werner University Center staff for graciously accommodating all of our scheduling needs, especially at the WUC. Kathy Hill (College of Liberal Arts and Sciences) is also gratefully acknowledged for her invaluable assistance with this event. Our appreciation is extended to Bill Kernan and his staff at University Computing Services for providing exceptional technological support for the Showcase. We extend our gratitude to Steve Carter and his staff in the print shop for providing exceptional service in producing all of the Showcase related materials. A special thank you is given to Lisa Catto, Betty Orwick, and Denise Visuño from the Office of Public Relations for their hard work, dedication and amazing talents in graphic arts design and publishing. We are especially indebted to the session chairs and faculty sponsors who are crucial to the success of this event.

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**The next online issue will be published May 2014**

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For questions about *PURE Insights* or the submission process, please contact Camila Gabaldón ([gabaldoc@wou.edu](mailto:gabaldoc@wou.edu)).

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- Social Sciences  
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