Proceedings of the 2007 Academic Excellence Showcase

Sponsored by:
The Honor Society of Phi Kappa Phi
and
The Program for Undergraduate Research Experiences
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There is no better way to demonstrate the value of a Western Oregon University education than through the work of our students. These abstracts of student presentations represent the outcomes of a university that knows the importance of research and scholarship.

The Academic Excellence Showcase features scholarly and creative activities at Western Oregon University. This celebration of academic achievement underscores the university’s aspiration that our students will understand how to employ clarity in writing and speaking, critical thinking, and a strong capacity for lifelong learning in taking what they have learned to the next step.

Through this year’s Academic Excellence Showcase, Western Oregon University is demonstrating that undergraduate scholarship and creativity are distinguishing characteristics of our university.

It is an honor for our chapter of Phi Kappa Phi to co-sponsor the Academic Excellence Showcase. Our chapter was founded in 1979 and held the first initiation on May 9, 1980. For the past 26 years, with the support of community members, faculty and staff across campus we have sponsored Academic Excellence on campus, celebrating our students’ outstanding research, scholarship, and creative endeavors.

The National Honor Society of Phi Kappa Phi was founded in 1897; it is the nation’s oldest, largest and most selective all-discipline honor society. Phi Kappa Phi inducts annually more than 30,000 students, faculty, professional staff and alumni. The Society has chapters at nearly 300 select colleges and universities in North America and the Philippines. Membership is by invitation only to the top 10 percent of seniors and graduate students and 7.5 percent of juniors. Faculty, professional staff and alumni who have achieved scholarly distinction also qualify.

The Academic Excellence Showcase at WOU is a celebration of our students’ best work, reflecting the culminating outcomes of a sound liberal arts and sciences education. Student presentations are also a testament to the faculty’s abiding commitment to student learning. Undergraduate scholarship and research programs provide rich opportunities for students to learn the time-honored habits of scholars, including constant curiosity, spirited skepticism, and the sheer joy of inquiry and discovery. Likewise, the faculty’s passion for mentoring budding scholars nourishes and sustains the Academy for posterity.

The Program for Undergraduate Research Experiences (PURE) 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, poster sessions, laboratory investigation reports, performances, and service learning projects, to name just a few.

The PURE task force identified many 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 reassign class time so students may attend the Showcase. A total of 72 faculty members from across campus have volunteered their time and energy to serve as session chairs, faculty sponsors, and mentors. As a result of their efforts, over 250 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 honored to be a part of the 2007 Academic Excellence Showcase. We hope you will join us in attending as many sessions as possible and congratulating students on their outstanding scholarship.
Acknowledgements

The Academic Excellence Showcase Planning Committee gratefully acknowledges the generous support of this program provided by President John Minahan, Provost Jem Spectar and the Western Oregon University Foundation. Thanks are extended to Deans Stephen Scheck (College of Liberal Arts and Sciences) and Hilda Rosselli (College of Education), whose support during the planning process has been unwavering.

A special thank you is given to Casey Collett, former director of the Center for Teaching and Learning, who is recognized as the catalyst for the formation of the Program for Undergraduate Research Experiences at WOU. We are especially indebted to the session chairs and faculty sponsors, listed below, who are critical to the success of this event.

Session Chairs and Faculty Sponsors

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Braza, Jerry
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Dutton, Bryan
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Griffin, Susan
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Smith, Doug
Smith, Robin
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Strapp, Chehalis
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Thomas, Daryl
Thompson, Kathryn
Thompson, Sue
Wade, Philip
Ward, Mike
Winningham, Rob

The 2007 Academic Excellence Showcase Planning Committee

Jeanne Deane
Bryan Dutton
Elisa Maroney
Bryan Miyagishima
Cornelia Paraskevas
Lisa Pulliam
Jeffrey Templeton
Denise Visuano
Rob Winningham
Niki Young

Finally, a special and heartfelt thank you to Ms. Jeanne Deane from her Planning Committee colleagues for her untiring energy, patience and support.

Please join us for a reception in the Werner University Center Oregon Room

4:00 to 5:00 p.m.

Sponsored by the Provost’s Office
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Presentations

7:00 – 7:20 p.m., IT 211
Beth Fleisher
Faculty sponsor: Doug Smith
Title: The Confederated Tribes of the Grand Ronde: Exploring Spiritual Identity Formation Among Tribal Members
Abstract: This paper discusses the spiritual identity formation experiences of present-day tribal members, and the impact that historical missionizing efforts has had on those experiences. Corollaries are considered between the conversion strategies employed towards CTGR tribal members and conversion strategies employed towards indigenous peoples by missionizing groups in other countries around the globe. It is argued that CTGR tribal members apparently experienced coercive conversion strategies during missionizing efforts during the late 1800s and early 1900s which have contributed to the significant loss of knowledge and lack of experience of traditional tribal religious lifeways among current tribal members.

7:20 – 7:40 p.m., IT 211
Daniel Sprinkle
Faculty sponsor: Doug Smith
Title: Enough Sand to Go Around? A Political Ecology of the Imperial Sand Dunes
Abstract: This project investigates cultures of recreation in political ecology. It explores the composition of Duners (recreationalists) economic and social interactions in the Imperial Valley Sand Dunes. It explains how the Duners use the land, how the government affects the land itself and the Duners, and how the government uses different tools to influence and control the Duners. These two groups have conceptualized the land in dissimilar ways, which has resulted in tension. The goal of this project is to assess how this tension is caused and lay a possible framework for reconciliation between these two groups.

7:40 – 8:00 p.m., IT 211
Danielle Kuehnel
Faculty sponsor: Doug Smith
Title: The Co-creation of Community at a Small Town Newspaper

8:00 – 8:20 p.m., IT 211
Laura Soules
Faculty sponsor: Robin Smith
Title: Rock Walls and Rusted Dreams: An Investigation of Homesteading of the Crooked River National Grassland
Abstract: An archaeological survey of homesteads on the Crooked River National Grassland in Jefferson County, Ore., based on archival and field research conducted during the summer of 2007. This presentation focuses on Central Oregon’s place in the process of westward expansion in the United States. It examines the causes for the economic and ecological collapse of the region in the 1930s and the ways in which these events have contributed to modern conditions on the grassland.

8:20 – 8:40 p.m., IT 211
Melissa Moch
Faculty sponsor: Doug Smith
Title: Starbucks and Community Identity in a Small Town

8:40 – 9:00 p.m., IT 211
Christy Golden
Faculty sponsor: Doug Smith
Title: Touring Identity: A Comparative Study of Touristic Interactions Among the Nahuatl Groups of Michoacan
Abstract: This thesis examines the unique relationships between Nahuatl groups within the state of Michoacan, Mexico and tourism. It seeks to explain that the manifestation of these relationships is shaped by the nature of each group’s community identity.

9:00 – 9:20 p.m., IT 211
Nicole Juergensen
Faculty sponsor: Doug Smith
Title: Home Alternatives: Community in an RV Park in Southern Oregon

8:00 - 9:20 p.m., IT 211
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9:00 – 9:20 p.m., IT 211
Nicole Juergensen
Faculty sponsor: Doug Smith
Title: Home Alternatives: Community in an RV Park in Southern Oregon
**Presentations**

8:30 - 8:45 a.m., CH 101  
**Sherry Patterson**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

8:45 - 9:00 a.m., CH 101  
**Elina Fitts**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

9:00 - 9:15 a.m., CH 101  
**Ellie Toombs**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

9:15 - 9:30 a.m., CH 101  
**Shane Henning**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

9:30 - 9:45 a.m., CH 101  
**Sherry DeGroot**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

9:45 - 10:00 a.m., CH 101  
**Joe Smith**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

10:15 - 10:30 a.m., CH 101  
**Jessie Her**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

10:30 - 10:45 a.m., CH 101  
**Christian Mendez**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

10:45 - 11:00 a.m., CH 101  
**April Reimers**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

11:00 - 11:15 a.m., CH 101  
**Amanda Rowe**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

11:15 - 11:30 a.m., CH 101  
**Jake Keller**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

11:30 - 11:45 a.m., CH 101  
**Gerry Blakney**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

12:30 - 12:45 p.m., CH 101  
**Molly Druliner**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

12:45 - 1:00 p.m., CH 101  
**Andrew Ellis**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

1:00 - 1:15 p.m., CH 101  
**Arianna Ninneman**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation

1:15 - 1:30 p.m., CH 101  
**Jennifer Sigl**  
Faculty sponsor: Jodie Raborn  
Title: Art portfolio presentation
Presentations

8:30 – 9:00 a.m., NS 103

**Katherine Noll**
Faculty Sponsors: Bryan Dutton and Stephen Taylor
Title: Spatial Distribution Patterns of Invasive Species in the Luckiamute Watershed, Polk and Benton Counties, Ore.
Abstract: The 12 most common invasive plant species within the Luckiamute watershed have been identified and their spatial distribution patterns analyzed. This analysis involved distribution within each of 20 transects sampled as well as at the entire watershed scale. Data suggest that these distribution patterns are dependent on factors including individual species life cycles, moisture, light availability, and topography. Consequences stemming from anthropogenic practices, including the increase in invasive species, increased homogeneity, riparian degradation and overall damage to the watershed ecosystem, have also been considered.

9:00 – 9:30 a.m., NS 103

**Nana Hanson**
Faculty sponsor: Sarah Boomer
Title: The Effects of Environmental Shifts on a Red Mat Ecosystem
Abstract: The GERMS (Geochemistry and Ecology of Red Mat Systems) program provides undergraduates with an opportunity to study bacterial mat communities in Yellowstone. Over the last three years, we have gathered environmental data (water chemistry, pH, temperature) and mat samples from three springs (Fairy, Hillside, and Imperial). I have performed DNA analyses (PCR, cloning, DNA sequencing) using Fairy mat samples to see if there are correlations between genetic and environmental data. In particular, I have observed that temperature shifts alter the ratio of red phototrophs and chemotrophic bacteria in the mat.

Posters

2:00 – 4:00 p.m., WC Oregon Room

**Amanda Cline**
Faculty sponsor: Lonnie Guralnick
Title: The Extent of C4 and CAM Photosynthesis in Three Grahmia Species of the Portulacaceae.
Abstract: The Portulacaceae is a plant family whose members show photosynthetic diversity. Previous work has looked at the evolution and distribution of C4 and CAM in the Portulacaceae with the only genus to have C4 photosynthetic members is the genus Portulaca. Previous reports indicate that Grahmia coahuilensis, G. frutescens, G. bracteleata may also contain C4 photosynthetic members. The placement of Grahmia as a C4 plant is not well supported in the literature. Preliminary data indicate that Grahmia is a facultative CAM species. The carbon isotope composition was found to be -24.5 o/oo, which places it toward the C3 range. The titratable acidity levels are high which may mean that CAM can be induced by drought. PEP carboxylase enzyme activity is low and may be induced by water stress indicating induction of CAM.
8:00 - 8:50 a.m., NS 101
Avery Cotton
Faculty sponsor: Arlene Courtney
Title: Leidenfrost in the Kitchen with the Cast Iron Skillet
Abstract: Gargling liquid nitrogen, dipping a hand into molten hot lead, water running uphill, and the pancakes I had for breakfast all have a common thread: the Leidenfrost Effect. Sensory analysis perceives a similar heat transfer anomaly found when a hot cast iron skillet is placed into cold water. This anomaly and its correlation with the Leidenfrost Effect will be examined under various conditions and extended to include other materials.

9:30 - 10:20 a.m., NS 101
Zahuindanda M. DeForrest
Faculty sponsor: Arlene Courtney
Title: Frozen Smoke: Properties and Applications of Aerogels
Abstract: Aerogels possess properties unlike any other solid known. They are the lightest solid ever created and have a wide array of uses. Aerogels were first discovered by Samuel Kistler in 1931, and many advances in their creation have been made since then. They are currently used by NASA for space probes and find use in industry in purification filters and capacitors to name a few applications. Aerogels are currently being researched for use in highly insulating windows, bullet-proof vests, computer processors, supercapacitors, and many other applications. This seminar will be a overview of the history of aerogels, their current and future uses in research and industry.

10:30 - 11:20 a.m., NS 101
Ryan Still
Faculty sponsor: Arlene Courtney
Title: Let There Be Light: Molecular Fingerprinting Through Use of the Visible Electromagnetic Spectrum and Its Applications
Abstract: Through the use of visible light and its interaction with molecules we are able to measure the absorption and emission of energy from these molecules. Because every molecule absorbs and emits at specific and distinct energy levels, called quanta, we can compare the observed spectra of an unknown source to an established spectral library as a means of discovering its molecular composition. The seminar will discuss the purposes and uses of molecular fingerprinting as it pertains to applications in pharmaceuticals, geology and astronomy.

1:00 - 1:50 p.m., NS 101
Brian Nacu
Faculty sponsor: Arlene Courtney
Title: Casting of Footwear Impressions Using Dental Stone
Abstract: The topic of this seminar will be the examination of footwear impressions for forensic applications. For almost 30 years dental stone has been used almost exclusively for casting impressions made at crime scenes to be analyzed more closely in the laboratory. I will discuss the history of footwear impression analysis, and the analysis of casts made from these impressions. I will talk about the procedure that is followed for making a cast, and the chemical reaction that is associated with the procedure.

2:00 - 2:50 p.m., NS 101
Christina Demke
Faculty sponsor: Arlene Courtney
Title: Nanoparticles and their Applications
Abstract: Nanotechnology is rapidly becoming popular, and the number of uses has become extensive. Nanotechnology’s uses extend from biology to chemistry to physics to everyday applications including computers, medicine, and athletics. Nanotechnology utilizes nanoparticles which are structures or materials that are less than 100nm in size and exhibit unique properties. This seminar provides an in-depth look at nanoparticles, and their use in today’s biological, chemical, and technology fields.

3:00 - 3:50 p.m., NS 101
Kaylon Wells
Faculty sponsor: Arlene Courtney
Title: Luminol: Forensic Applications of Chemiluminescence
Abstract: More commonly known as Luminol, 3-Amino-phthalhydrazide is a reagent that can detect blood that has been diluted up to 300,000 times by reacting with the oxygen-carrying protein hemoglobin present in blood and does not inhibit the later use of that blood in DNA analysis. The chemical reaction results in a releasing of energy in the form of photons in a process known as chemiluminescence. Luminol is only a presumptive test, therefore additional tests must be performed prior to concluding the presence of blood. This seminar will cover the chemistry and forensic applications of Luminol.
COMMUNICATION STUDIES
Session chair: Emily Plec
Session title: Communication Studies
Location: Humanities and Social Sciences (HS)

Presentation with performance component

2:30 – 3:00 p.m., HS 336

Ty Brack
Faculty sponsor: Emily Plec

Titles: Managing Language, Maintaining Power: Rasheed Wallace, The Oregonian, and the NBA

“Welcome 2 the NBA” (feat. Paul Peters – WOU Criminal Justice Major)

Abstract: This essay analyzes media coverage of Portland Trailblazer Rasheed Wallace in The Oregonian from December 2003 through his early 2004 trade to the Detroit Pistons. Wallace’s statements challenge the NBA’s diversity management strategy, which seeks to assimilate the young black male athlete into the dominant culture. NBA management’s responses to Wallace’s comments promote the diversity management strategy at the expense of a critical discussion of racism. Subsequent print media coverage of the Wallace interview, and of Wallace himself, creates an image of Wallace as a menace to the hegemonic male sports hero. The language of both The Oregonian and NBA management contains signifiers that overtly and covertly reinforce racial stereotypes, reduce Wallace’s credibility and, as a result, uphold the NBA power structure. The paper will be followed by a Hiphop-styled spoken word performance based on these arguments.

COMMUNICATION STUDIES
Session chair: Emily Plec
Session title: Communication Studies
Location: Humanities and Social Sciences (HS)

Presentation

3:00 – 3:30 p.m., HS 336

Laura Maddox
Faculty sponsor: Emily Plec

Title: Advanced Media Criticism: A Critical Exploration of the Freudian Love Triangle through a Psychoanalysis of the 2004 Webber/Schumacher Cinematic Adaptation of Gaston Leroux’s The Phantom of the Opera

Abstract: Using the most recent adaptation for evaluation of the story as a whole, the intertwinement of Lord Lloyd Webber’s musical genius and Leroux’s original plot line make for an excellent foundation for a thorough psychoanalytic study using Sigmund Freud’s theory of the ego, super-ego and id. This analysis finds parallels between Freud’s description of these three levels of the human psyche and the three main characters in Leroux’s Phantom: Christine Daae, Vicomte Raoul de Chagny and the Phantom. Remarkable similarities begin to appear once this lens is applied to this dark and mysterious story of passionate love, anger, and hate. One can not help wonder if it was the deepest unconscious levels of Leroux’s psyche that birthed this tale, or if there was a specific intention to link these characters to these levels of the human psyche in such a subtle way.

COMMUNICATION STUDIES
Session chairs: Emily Plec and Molly Mayhead
Session title: Rhetorical Perspectives on Freedom and Liberty: Papers from the 2007 Northwest Communication Association Conference
Location: Humanities and Social Sciences (HS)

Presentations

3:30 – 5:00 p.m., HS 336

Ambyre Phelps
Faculty sponsor: Emily Plec

Title: An Exclusion of Me: A Study of Metaphor & Myth in Toni Morrison’s Nobel Lecture

Abstract: This paper examines Toni Morrison’s Nobel Prize Lecture. It specifically looks at the use of myth and metaphor as parts of a larger African American oral tradition. A short biography is included, along with brief descriptions of her works of fiction. The traditional use of myth and metaphor within African American tradition are examined. The use of Morrison’s own skillful language is looked at as a particularly effective means of discussing language. The paper seeks to provide a framework of African American oral tradition within which to examine Morrison’s use of myth and metaphor.

3:30 – 5:00 p.m., HS 336

Kathy Bolen
Faculty sponsor: Molly Mayhead

Title: Rosie the Riveter: The Metaphoric Messages

Abstract: Norman Rockwell’s version of “Rosie the Riveter” contained messages which shifted women’s workforce attitudes. This artwork stirred emotion influencing two million women to join the workforce in 1943. Rosie was analyzed metaphorically with placement of symbols into groups based on vehicles they represent. Rockwell’s chosen symbols stimulated the women’s workforce. Women’s roles changed and made it acceptable for women to do men’s jobs. The US produced propaganda during 1943, but the chosen female icon was Rosie. She played a major role in this transformation. Rockwell’s metaphorical choices were not accidental. Symbols in the artwork sent messages to stimulate a nation to action to achieve a specific goal.
Gary May
Faculty sponsor: Emily Plec
Title: What Would Jimmy Do? The Rhetorical Persona of Jimmy Carter
Abstract: As many Americans know, for former President Jimmy Carter, “Peanut farming, talk of politics, and devotion to the Baptist faith were mainstays of his upbringing” (Biography). Carter’s presidency has received attention from communication scholars but little attention has been paid to his oratory during and shortly following his governorship of the State of Georgia.

The purpose of this paper is to draw a connection between Carter’s private persona and his public, rhetorical persona within Darsey’s “prophetic rhetoric” framework. I examine Carter’s A Message on Justice speech, delivered May 4, 1974, near the end of his governorship and prior to his announcement for candidacy for president, as an early illustration of Carter’s rhetorical persona. I contend that Carter extends his private persona to the public sphere as he tries to conform to the practice of his Christian faith. Ultimately, his rhetorical efforts may have failed because, as Darsey says, “Reason, in the modern view, makes no moral demands, for such demands are in themselves discredited” (126). Nonetheless, “It is on the recovery of this abandoned faith, this native radicalism, I suggest, that the revival of a compelling social vision and the discourse that would be its vehicle depends” (209).

Trevor Setvin
Faculty sponsor: Emily Plec
Title: Barbara Jordan: Interpretation of the Articles of Impeachment
Abstract: This essay examines the arguments brought before the House Judiciary Committee by Barbara Jordan for the impeachment of President Nixon. It discusses the rhetorical style, arrangement and arguments of Jordan’s oratory in The Articles of Impeachment of the President. Jordan’s rhetoric is analyzed in order to elaborate the importance of this speech and the ultimate decision the Congress would later reach. The paper discusses her life and how it influenced her argumentation, particularly her use of legal argumentation strategies, her identity as an African American woman, and broader constitutional principles as points of argument.

Becka Morgan
Faculty sponsor: David Olson
Title: Goths and Populars – a Logic Game for Adolescences
Abstract: This Java program was written as a term project for the sophomore computer science sequence. The game allows the player to incorporate rules for “proper dress” into picking a week’s wardrobe for a paper doll who is a member of either the “Populars” or the “Goths” clique. An example rule for the “populars” might be, “pink is only allowed on days beginning in F”. Players plan the dolls attire for a five day school week then find if they have violated any of the rules for proper attire. The game uses the same types of logical thinking that are important for success in computer science.

Josh James, Darrel Palke and Todor Ivanov Todorov
Faculty sponsor: David Olson
Title: JDT Computing – Partial Property Management Tool
Abstract: A simple yet effective system used to solve a few property management problems. Those include keeping track of keys to rental properties and organizing jobs and bids for on-site repair. The project is web based with a simple front-end application used to add new or modify existing records in a back-end database. The tool was designed for use by Windermere Real Estate and Property Management in Monmouth. The tool helps with time efficiency as well as organization within their business.
Performance and presentations

9:00 – 9:15 a.m., Maple Hall
Rebecca Chadd
(Presentation)
Faculty sponsor: Sharon Oberst
Title: A Threelfold Travesty: The Silly, Sexy and Stark Depictions of Women in Matthew Bourne’s Swan Lake and How They Reveal His Attitude Toward Women
Abstract: A critical analysis of Matthew Bourne’s choreographic and stylistic choices in his contemporary version of Swan Lake and how they reveal his attitude toward women.

9:15 – 9:30 a.m., Maple Hall
Samuel Hobbs
(Performance)
Faculty sponsor: Sharon Oberst
Title: 48 More Hours…
Abstract: Modern dance work that explores highly athletic movement.

9:30 – 9:45 a.m., Maple Hall
Rachel Rudometkin
(Presentation)
Faculty sponsor: Sharon Oberst
Title: Gender and Morality: Analyzing Ninette de Valois’ Checkmate and The Rake’s Progress
Abstract: Choreographer and founder of Britain’s Royal Ballet Company, Dame Ninette de Valois, allows us to examine such themes as gender roles and morality in her ballets. Checkmate, with the powerful Black Queen and weak Red King, represents the reversal of traditional gender roles, while The Rake’s Progress is dominated by strength and weakness of character. While both themes may be found in other ballets, they are also evident in the Royal Ballet and de Valois’ own life.

9:45 – 10:00 a.m., Maple Hall
Chelsea Bowman, Rebecca Chadd, Jessica Evans, Chelsey Hammond-Williams, Samuel Hobbs, Malia Jerkins and Madeline Smith
(Performance)
Faculty sponsor: Deborah Jones
Title: Furious Angels: The Process of Learning and Performing the Repertory of Guest Artist Minh Tran
Abstract: Nationally recognized choreographer, Minh Tran, set his high energy piece, Furious Angels, on seven WOU dance majors, Chelsea Bowman, Rebecca Chadd, Jessica Evans, Chelsey Hammond-Williams, Samuel Hobbs, Malia Jerkins and Madeline Smith. Rehearsal director of this piece and professor of dance, Deborah Jones, describes the dance as “an explosive, well crafted piece of rich movement contrasting Asian and contemporary movement design. Mr. Tran has provided our students with a professional caliber experience and they have done a wonderful job with this work.” Earlier this year, the students performed Furious Angels at the American College Dance Festival held in San Francisco, Calif.

10:00 – 10:15 a.m., Maple Hall
Robyn Dalke
(Presentation)
Faculty sponsor: Sharon Oberst
Title: Forgotten, Unknown and Left Out: Russian Choreographers Who Didn’t Make it Into the History Books
Abstract: In the process of condensing ballet’s history to fit into our history books, influential people were left out. There are several Russian choreographers from the 20th century that have gone unnoticed and unappreciated. During this presentation the impact that five Russian choreographers had on ballet history will be explored. These choreographers will finally get a little of the attention that they deserve and their accomplishments highlighted.

10:15 – 10:45 a.m., Maple Hall
Hayley Glickfeld
(Presentation and performance)
Faculty sponsor: Sharon Oberst
Title: Tapestry: Weaving a Dance
Abstract: An explanation of the delightful brain-teaser called choreography that unravels the mystery of the creative process in dance; from inspiration leading to the first threads of movement and spinning those movements into phrases, to weaving phrases into a dancing tapestry and perfecting the design during rehearsals, to the interlacing of music, lights, costumes, and the stage. The presentation concludes with a performance of Hayley Glickfeld’s Tapestry, created for the 2007 Spring Dance Concert.
Presentations

9:30 – 9:40 a.m., NS 103
Faculty presenter: Philip Wade
Title: Introduction to session

9:40 – 9:50 a.m., NS 103
Shannon Sullivan and Jessica Cruickshank
Faculty sponsor: Philip Wade
Title: Stormy Days; Can the Wind Predict When?
Abstract: Oregon has a wide variety of weather patterns many of which include severe storms. For our project we will investigate if wind direction affects the severity of storms in the Willamette Valley. Severe storms are ones with strong winds, cloudy skies and abundant rain. We will observe cloud cover, rainfall amounts, and wind strength and direction. We hypothesize that the rainiest “severest” storms will come from the west. This is because of the direct influence of the Pacific Ocean. For three weeks we will observe cloud coverage, wind strength and direction and rain intensity. We will identify the major storms and look to see if there is a correlation between severity of storms and wind direction.

9:50 – 10:00 a.m., NS 103
Stacey Head and Karissa Snelling
Faculty sponsor: Philip Wade
Title: Effects of Cloud Coverage on Temperature
Abstract: Oregon has weather that changes rapidly from season to season. Weather is the condition of Earth’s atmosphere at a particular time and place. The elements of weather include clouds, rain, temperature and wind. The energy of the earth can be confined by cloud coverage, which makes the earth warmer. Over three weeks, we will observe temperature in relation to cloud coverage. We hypothesize that the temperature will be warmer when there is cloud coverage, and cooler when there is no cloud coverage. Early observations support our hypothesis.

10:00 – 10:10 a.m., NS 103
Allison Schonert and Katherine Traylor
Faculty sponsor: Philip Wade
Title: Stain Removers: What Works Best?
Abstract: Our research project is to determine what substances will best remove certain types of stains. Four different stain types (grass, coffee, automotive oil, and tomato sauce) will be used to determine the effectiveness of stain removers. To treat the stains we will use six types of stain removers; bleach, Oxiclean, white vinegar, club soda, hydrogen peroxide, and baking soda. To determine which product removed the stains the best, we created a scale to compare the stains to after they are washed. We hypothesize that the stains will be best removed by store bought stain removers and of those the bleach will be the best stain remover.

10:10 – 10:20 a.m., NS 103
Kelly Carestia, Susi Ramirez and Lauren Stewart
Faculty sponsor: Philip Wade
Title: Investigation of Crystal Growth Requirements
Abstract: The size, form and shape of mineral crystals are controlled by their atomic structure and atomic composition. Crystals form different shapes and sizes depending upon their initial chemical compositions and the conditions of the environment that their growth takes place in. Our investigation addresses how different ingredients and varying temperature conditions control the size and shape of crystals as well as the amount of time it takes for the crystals to grow. We will measure the size, shape and rate of growth of four different compositions in two distinct temperature controlled environments. It is our hypothesis that the store bought “mineral kit” will grow the largest crystals, then sugar, alum, and last ISalt. Results will also show the effect of temperature on crystal growth.

10:20 – 10:30 a.m., NS 103
Janelle Sires and Karri Jones
Faculty sponsor: Philip Wade
Title: The Influence of Micro-Environments on Weather
Abstract: The focus for this project is to study the weather patterns of Monmouth and Beaverton, both located in the Willamette Valley and to determine if a 50 mile distance affects the weather of these two “micro-environments.” Monmouth is located about 45 miles from the coast while Beaverton is about 85 miles from the coast. Can 50 miles produce distinct weather changes? Because water tends to moderate weather conditions, we predict that Monmouth will have milder weather such as warmer days with little rain. We will observe the weather of Monmouth and Beaverton for three weeks, recording the temperature, amount of rain, cloud type, and the amount of cloud cover. After three weeks, our data should show that Monmouth had warmer days and less severe weather than Beaverton.
10:30 – 10:40 a.m., NS 103

Tiffany Gray and Megan Dougherty
Faculty sponsor: Philip Wade

Title: Storm Prediction in the Willamette Valley

Abstract: Weather in the Willamette Valley is very diverse throughout the seasons. Weather is defined as the state of the atmosphere with respect to wind, temperature, cloudiness, moisture and pressure. We will record the percent of cloud cover, precipitation, and wind direction and strength daily for four weeks in Monmouth. With the data collected we will look for patterns such as whether or not wind direction affects the amount of clouds or the severity of storms.

10:40 – 10:50 a.m., NS 103

Kimberly Pardue
Faculty sponsor: Philip Wade

Title: Shadows of the Sun

Abstract: Earth rotates once every 24 hours while it orbits around the sun. This continuous movement produces day and night as well as our seasons. This project will observe the change in a shadow of a fixed object over a period of a month. The Earth will have gone one-twelfth of its orbit thus moving about 30 degrees around the sun. The length and angle of the shadow should move depending on the day and the position of the sun. My project is to compare the change in the Earth's orbit and change in time to see if there is a change in the position or length of the shadow.

10:50 – 11:00 a.m., NS 103

Theresa Larson and Jana Orr
Faculty sponsor: Philip Wade

Title: Moving Stars or Moving Earth: Star Observations

Abstract: For three weeks, in the same location and time, we will observe the location of stars and constellations in the night sky with respect to a fixed object on Earth. We believe the stars will appear to move west towards the horizon as the Earth rotates. We think the constellations and stars will keep the same structure with respect to each other and appear to move “together” across the sky. Every night we will seek out the same constellations to confirm our hypothesis. We will also try to estimate the rate of movement of these constellations as they move across the nighttime sky.

11:00 – 11:10 a.m., NS 103

Stephanie Kragness and Vickie Myers
Faculty sponsor: Philip Wade

Title: Full Moon vs. New Moon: The Battle of the Tides

Abstract: The tides are the result of the gravitational pull of the moon and sun on the Earth. The moon’s pull on Earth’s oceans causes high and low tides daily. The high and low tides are also influenced by the position of the moon, Earth and sun. They are greatest during the new and full moon phases each month. We will investigate how severe the difference is between a new moon high and low tide and a full moon high and low tide. We will observe the peaks for high tide and low tide on the new moon and the full moon by determining the horizontal distance on the beach between high and low tide peaks. Every two hours we will measure this distance and record the rate and changes. We hypothesize the difference in peaks from high tide to low tide at the full moon will have a greater distance.

11:10 – 11:20 a.m., NS 103

Karla Neuschwander, Trinity Cassel and Randi Mapes
Faculty sponsor: Philip Wade

Title: The Ultimate Bubble

Abstract: Soap bubbles are enjoyed by all, especially on warm summer days as they dance about the air. Are all soap bubble mixtures equal with respect to producing colorful and long lasting bubbles. Most bubbles are spheres because a soap film makes the smallest surface area possible compared to its volume. We plan to investigate four different solutions, each containing one of the following: Dish soap, gelatin, glycerin and food coloring, to find the best bubble solution. This investigation asks if home made bubble solutions produce longer lasting, bigger or more colorful bubbles than commercially bought soap solutions. Additionally we will investigate different shaped bubble wands to see if all bubbles form spheres.

11:20 – 11:30 a.m., NS 103

Vanessa delos Reyes and Claire Carpenter
Faculty sponsor: Philip Wade

Title: Exploring the Mystery of Color

Abstract: Chromatography is the process of separating and identifying color compounds found in a mixture. For our project, we will investigate chromatography and how it relates to the colored markers we use daily in the classroom. For our experiment, we will put a spot of color on a coffee filter and suspend the filter in a cup of water and rubbing alcohol. After letting the filter sit for a while, we predict that as the liquid substance meets the color, we will see new colors begin to separate and emerge. We believe that this evidence will demonstrate that there truly are more colors behind what we actually see and use in traditional markers.
The Big Elk Creek Watershed is located primarily in Lincoln County, Ore. The far eastern edge of the watershed crosses into Benton County, however. The Big Elk Creek Watershed ranges in elevation from over 3,600 feet (near the summit of Mary’s Peak in the far eastern part) to only about 13 feet (in the far northwestern part). It is typically rugged Western Oregon terrain, with many tree-filled canyons cut by ever-present creeks. Annual rainfall varies from under 30 inches in the northern parts to almost 50 inches in the southern, higher parts.

The Big Elk Creek Watershed covers an area of over 230 square kilometers. It has fourteen sub-basins, which have an average area of over 16 square kilometers. There are a total of 1,463 stream segments in the watershed, all eventually flowing out of the area to the northwest.

Rainfall for this particular watershed ranges from 40 to 120 inches per year. The volcanic rocks are mostly basaltic lavas and tufts, overlain by sedimentary rocks made up of shale, claystone, sandstone and siltstone. There are 11 soil associations listed in the Natural Resources Conservation Service (NRCS) Soil Survey of Washington County. Soils in the west tend to be hot and dry with little rainfall. The Coast Range Mountains form the upper north and western boundaries of the watershed, separating it from the Pacific Ocean to the west. The mountain slopes tend to be steep with high gradient streams.

The oldest geologic materials in the Gales Creek Watershed are volcanic and sedimentary rocks formed during the Eocene and Oligocene ages of the Tertiary period. The volcanic rocks are mostly basaltic lavas and tufts, overlain by sedimentary rocks made up of shale, claystone, sandstone and siltstone. There are 11 soil associations listed in the Natural Resources Conservation Service (NRCS) Soil Survey of Washington County. Soils in the Coast Range are well-drained silt loam and cobbly loam.

The Gales Creek Watershed is located in the northwestern corner of Oregon and is contained almost completely in Washington County. It is one of many large watersheds in the Tualatin River Basin. It is situated on the eastern side of the Coast Range Mountains. The watershed ranges in elevation from a low of 159 feet above sea level, at the confluence with the Tualatin River, to its highest point of 3,154 ft. The climate with the watershed is marine-influence with an extended winter rainy season. Summers tend to be hot and dry with little rainfall. The Coast Range Mountains form the upper north and western boundaries of the watershed, separating it from the Pacific Ocean to the west. The mountain slopes tend to be steep with high gradient streams.

The North Yamhill River watershed consists mainly of Quaternary Sediment
(Qs), Siletz River Volcanics (Tsr), and the Yamhill formation consisting of marine sedimentary rocks (Ty). The main soils of this watershed correspond with the bedrock. So Qs has silty valley soil whereas Tsr and Ty are more rocky soils (cobbly and stoney) found on hillslopes.

The North Yamhill River consists of the following major tributaries: Panther Creek, Baker Creek, Haskins Creek, Fairchild Creek, Yamhill Creek, and Turner Creek. Stream flow in the North Yamhill watershed varies throughout the year, largely depending on the amount of rainfall. The high and low flows have different impacts on the landscape and resources. The total drainage area is 457,275 square kilometers. The length of the watershed is 29 kilometers and the width is 18.5 kilometers. Some other facts include: the total number of streams is 2,162, first order streams is 1,096, and second order streams is 510.

11:30 a.m. – 1:30 p.m., WC Oregon Room

Kristin Mooney
Faculty sponsor: Stephen Taylor
Title: GIS Compilation of the Elk River Watershed, Curry County, Ore.

Abstract: This project demonstrates the many components of working with ArcGIS software. Compiled is a complete set of GIS vector map themes, Digital Elevation Models (DEMS), Digital Raster Graphics (DRGs) and other GIS data for the Elk River Watershed.

Elk River Watershed is located in the Sixes River Basin in Curry County, Ore. The watershed ranges in elevation from sea level to approximately 4,080 feet at the summit of Iron Mountain. There are narrow, forested valleys with steeply sloping sides in the upper portion of the basin. The lower portion of the watershed receives 70 to 100 inches of precipitation per year and the upper portion receives 100 to 180 inches per year.

The drainage area measures 35 by 22 kilometers, totaling approximately 58,678 acres. There are a total of nine sub-basins within the watershed that includes over 2,050 tributaries. Of those tributaries, over 1,000 are first order streams, and nearly 500 are second order streams. The first order streams are relatively warm compared to the tributaries.

There are Cretaceous sedimentary rocks consisting of greywacke, conglomerates and shale. Rocks from the Jurassic and Triassic periods include mudstone, shale, siltstone, greywacke, tuff, limestone and intrusives of felsic to intermediate, quartz-rich, granite and diorite. Recent deposits are terrace, pediment, and lag gravels consisting of unconsolidated gravel, cobble and boulders.
10:00 – 10:15 a.m., WC Santiam Room
Taryn Plypick
Faculty sponsor: Brian Caster
Title: A Biomechanical Analysis of the High Jump
Abstract: In this presentation, the high jump will be examined from a biomechanical perspective. The high jump will be broken down into five phases, and an in-depth analysis will be done on the approach phase. Information on why a J-Curved approach is used in the high jump as well as information on proper body mechanics of the high jump will be discussed. Analyses conducted include phase timing and video kinematics with examination of joint angles in the high jump throughout the various phases.

10:15 – 10:30 a.m., WC Santiam Room
Boe Burrus and Tyler Mitchell
Faculty sponsors: Robert Hautala and Brian Caster
Title: The Results of Physioball Training as a Physical Activity
Abstract: The purpose of this project was to determine if physioballs (exercise balls) can directly influence core strength and general balance over an eight-week period of training. Results were based on three different tests that measured core muscle strength and general balance. Testing took place one week prior to training and one week post training. This project was not just based around results; it was also designed to give students an alternative lab experience to participate in for their physical education LACC credit (PE 131) and to teach them other ways to be physically active. Pedagogical insights will also be discussed.

10:30 – 10:45 a.m., WC Santiam Room
Angie Young
Faculty sponsor: Marita Cardinal
Title: Elementary Physical Education Teaching Practicum
Abstract: Angie will share her teaching experiences in PE 434: Elementary Physical Education Teaching Practicum. In this winter term, 2007 course, Angie taught local homeschooled children (ages 3 to 12) weekly physical education lessons. She will discuss her teaching strengths and use of various teaching techniques, her experiences teaching the children, and the knowledge and skills she gained about teaching children physical education. She will highlight her work through the viewing of her final project video and her written curricular materials. Angie’s strong leadership abilities, interactive teaching style, in-depth and relevant lesson plans, and thoughtful teaching reflections serve as role models for others.

11:00 – 11:15 a.m., WC Santiam Room
Lydia Foster
Faculty sponsor: Jessica Henderson
Title: Coach, I’m Safe: A Social Marketing Campaign
Abstract: A theory-based campaign for the prevention of fetal alcohol syndrome (FAS) was developed using social marketing principles. The target audience was college-aged female athletes who were sexually active and used alcohol. The goal of this campaign was to prevent FAS through increased use of contraception. The development of the ad included formative evaluation with college-age women. The theoretical basis was The Theory of Reasoned Action.

11:15 – 11:30 a.m., WC Santiam Room
Eva Fleming
Faculty sponsor: Jessica Henderson
Title: Multiple Sclerosis: A Case Study
Abstract: This case study paper documents the personal experience of a college male diagnosed with Multiple Sclerosis (MS), an autoimmune disease that affects the central nervous system. The interview used the Biopsychosocial Model of Disease approach and illustrates how one person copes with physiological, psychological, social, cultural and ethical aspects of MS. A summary of a related published research article investigates the immunogenicity and safety of a new medication for people who have relapsing MS.

1:00 – 1:15 p.m., WC Santiam Room
Paula Leslie
Faculty sponsor: Linda Stonecipher
Title: Intrinsic and Extrinsic Motivational Differences Among Track and Field Athletes
Abstract: This study was designed to determine motivational intents of 144 track and field athletes consisting of 76 master’s athletes, 51 college non-scholarship athletes and 17 college scholarship athletes. Overall results showed that staying fit was the most important motive for participation. This held true across most demographic sub-groups. The college males in this study appeared to value competition more than the master’s males. Scholarship athletes were more motivated by improving their skill than the other participants surveyed. By identifying motives, this study attempts to supply coaches and administrators with the tools to market their programs to more participants.
1:15 – 1:30 p.m., WC Santiam Room

**Stephanie Banford**  
Faculty sponsor: Brian Caster  
Title: A Biomechanical Analysis of the Swimming Flip Turn  
Abstract: This presentation discusses the techniques, biomechanics, and associated benefits of the freestyle flip turn. Subjects were selected with varying levels of swimming expertise from beginning and intermediate to advance. Research tactics included: phase timing, velocity and acceleration, joint action and joint skill evaluations, and support the necessity of its inclusion within the sport of swimming.

1:30 – 1:45 p.m., WC Santiam Room

**Mary Ellen Goracke**  
Faculty sponsor: Kurtis Kidd  
Title: Glam Fest  
Abstract: Rucks, scrums, mauls, and mud: no other words can quite describe this tournament/camp put on by the Western Oregon University women’s rugby team scheduled for spring 2008. Like rugby, putting on a tournament has many parts; this presentation gives an in-depth look into the preparation and set-up of a single-elimination tournament and camp for eight girls’ high-school rugby teams of Oregon and Southwest Washington.

2:00 – 2:15 p.m., WC Santiam Room

**Fallon Stewart and Shelby Self**  
Faculty sponsor: Jessica Henderson  
Title: Take the First Step, Protect Yourself: A Social Marketing Campaign  
Abstract: A theory-based campaign for the prevention of Fetal Alcohol Syndrome (FAS) was developed using social marketing principles. The target audience was college-age women who were sexually active and used alcohol. The goal of this campaign was to prevent FAS through increased protection (condom use). The development of the ad included formative evaluation with college-age women. The theoretical basis was The Social Learning Theory.

2:15 – 2:30 p.m., WC Santiam Room

**Anna Ryan**  
Faculty sponsor: Jessica Henderson  
Title: Spina Bifida: A Case Study  
Abstract: This case study paper documents the personal experience of a college female diagnosed with Spina Bifida, a congenital defect. The interview used the Biopsychosocial Model of Disease approach and illustrates how one person copes with physiological, psychological, social, cultural and ethical aspects of Spina Bifida. A summary of a related published research article investigates sex education, relationships, and sexuality in young adults with Spina Bifida.

2:30 – 2:45 p.m., WC Santiam Room

**Janet Costello**  
Faculty sponsor: Daryl Thomas  
Title: The Use of Additives in America’s Beef and Dairy Supply  
Abstract: This presentation will uncover a number of hidden additives in the majority of America’s modern beef and dairy supply. These potentially harmful substances can cause health problems to both the cattle and consumer. It is my goal to educate those who are unaware of the possible health risks that many meat and dairy farms expose them to daily. Additionally, several solutions to the problem and what consumers can do to prevent themselves from being exposed to such harmful substances will be presented.

3:00 – 3:15 p.m., WC Santiam Room

**Keely Beach, Molly Schaefers and Lindsay Wegner**  
Faculty sponsor: Jerry Braza  
Title: Transportation Problems of the Homeless  
Abstract: Homelessness is a problem nationwide and since 2000, the number of homeless individuals has significantly increased. There are 2.3 million to over 3.5 million homeless individuals in the U.S. (PacPRI, 2006). Locally, the Union Gospel Mission (UGM) in Salem, Oregon provides over 75,000 meals and over 180,000 free shelter nights a year. Homeless residents at the UGM were surveyed and based on the findings a project was developed to meet the transportation needs of this population. When transportation options are available, the quality of life and chances for employment and health care opportunities are increased.

3:15 – 3:45 p.m., WC Santiam Room

**Stephanie Upshaw, Stormee Anderson, Alicia Vandervelden, Anna Ryan and Tracy Crockett**  
Faculty sponsor: Jerry Braza  
Title: Health Care in Rural Vietnam  
Abstract: In scattered buildings and barren rooms, fourteen children and two adults are living in substandard and unhealthy conditions in an orphanage in rural Northern Vietnam. These individuals are supported by the Forgotten People Foundation. In April, a group from Western Oregon University traveled to this home in the Bac Ninh Province as ambassadors for the foundation and as a research team to assess the needs of the facility. Findings from this trip will offer the “forgotten people” improved health care and other resources. Their first-hand experiences will offer a model for supporting individuals in isolated parts of the world.
Posters

Lydia Foster
Faculty sponsor: Peggy Pedersen
Title: The Apple and the Tree: The Affects of Family Eating Values on Obesity in Children
Abstract: This session presents a review of current research on the relationship between family eating values and childhood obesity. Family practices around television watching during dinner, food rules, the effects of restrictive eating, and dieting are examined.

Stephanie Suek and Elisabeth Thomas
Faculty sponsor: Jerry Braza
Title: Program Planning and Community Service Learning
Abstract: This Program Planning and Service Learning booklet is unique in that it is designed to guide health education students through the process of working with service learning partnerships to design and implement programs in real-life communities. The students will learn about working with a community partner, evaluating the needs of a community, creating a program to meet those needs, implementing the program, writing a grant proposal for the program, and evaluating the effectiveness of the entire project. This booklet differs from traditional program planning in that it emphasizes student service learning partnerships with people already working in the community.

Shannon Talbott
Faculty sponsor: Peggy Pedersen
Title: History of Fat in Western Society
Abstract: The present obesity epidemic has refocused our attention on body size. Society hasn’t always viewed people who are ‘fat’ as lazy, incompetent, and having no self control. Western society once viewed people who were ‘fat’ as society’s elite. This session will review the historical perceptions and interpretations of body size and the factors contributing to those perceptions.

Presentations

8:40 – 8:55 a.m., WC Calapooia Room
Faculty presenter: David Doellinger
Title: History department programs

8:55 – 9:00 a.m., WC Calapooia Room
Faculty presenter: Christy Lowe
Title: Latin program

9:00 – 9:05 a.m., WC Calapooia Room
Faculty presenter: Benedict Lowe
Title: Introduction of students

9:05 – 9:20 a.m., WC Calapooia Room
Craig Lockhart
Faculty sponsor: Benedict Lowe
Title: The Lost Legions of Augustus
Abstract: My paper deals with Augustus’ Lost Legions at the Teutoberg Forest in A.D. 9. I will describe the totality of the defeat, Rome’s policy toward Germany, and whether they halted Rome’s expansion into Germany. I will use archaeological evidence of sites, fortifications, and the policies of Germanicus.

9:20 – 9:35 a.m., WC Calapooia Room
Robert Moore
Faculty sponsor: Benedict Lowe
Title: Charlemagne: A Frank Analysis
Abstract: A short overview of the coronation of Charlemagne, with an emphasis on the Imperial policies of the Frankish court leading up to December 25 A.D. 800. The presentation will also cover the political environment of the Byzantine Empire and the City of Rome. A brief examination of Frankish artwork as it relates to Carolingian ambitions for the Imperial title will also be included.
9:35 – 9:50 a.m., WC Calapooia Room
Christopher M. Breyer
Faculty sponsor: Benedict Lowe
Title: Assigning Culpability to Those Involved in the Diversion of the Fourth Crusade

Abstract: The Fourth Crusade has long been considered one of history’s greatest blunders, culminating in 1204 with the sack of the Christian City of Constantinople by an army supposedly dedicated to stamping out the enemies of Christianity. The tendency of modern historians has been to attempt to place complete blame for this travesty upon one of the many leaders or factions involved in the enterprise. It is my contention that by choosing one subject upon which to place blame, these modern historians have missed the fact that all of them were at least peripherally responsible for the downfall of Constantinople.

9:50 – 10:05 a.m., WC Calapooia Room
Nolan Doyle
Faculty sponsor: Benedict Lowe
Title: Rome’s Bloody Nose: Rebellion in Pannonia, Teutoburg

Abstract: Rome was not defeated very often. Roman armies conquered most of the known world during the centuries leading up to the Common Era. In the first century Rome stopped. No longer did the Romans see the world as what was Rome or what would become Rome. Two events were pivotal in this change in the Roman view: rebellion in Pannonia and defeat at the hands of the Germans at Teutoburg Forest checked Roman expansion for almost 50 years. Never again would the Romans conquer like they had before. Instead the concept of a Roman frontier developed, caused by Pannonia and Teutoburg Forest.

10:05 – 10:20 a.m., WC Calapooia Room
Brian Sprague
Faculty sponsor: Benedict Lowe
Title: The Meaning of the Parthenon Frieze

Abstract: This paper will start by looking at the Parthenon itself before examining the Parthenon Frieze. I will then present some of the different views of its meaning, followed by why it has been debated so much and finish with why I believe that it is a representation of a Panhellenic festival.

10:20 – 10:35 a.m., WC Calapooia Room
Tyler Lauglin
Faculty sponsor: Benedict Lowe
Title: The Controversy of Constantine’s Conversion to Christianity

Abstract: The conversion of Constantine to Christianity has been a topic of considerable debate. In the spring of 312, Constantine received a vision of a cross, and defeated his foe, Maxentius at the Battle of Milvian Bridge. The controversy stems from two different accounts of the vision by Eusebius and Lactantius. Through these authors, along with edicts, councils, and coinage, the nature of Constantine’s conversion is revealed.

10:35 – 10:50 a.m., WC Calapooia Room
Vincent Shaw
Faculty sponsor: Benedict Lowe
Title: The Evolution of Diagnosis and Treatments for Psychological Trauma in the First World War and the Impact it had on Society

Abstract: This presentation is to explore the evolution of combat stress disorders during The First World War from the physiological beginnings of shell shock as brain trauma, and the treatment options used, as well as the social reactions to soldiers returning with this diagnosis to the home front. This will be contrasted with the later diagnosis of shell shock as a psychological disorder, the treatment used, and how soldiers were treated under the social stigma of being psychologically labeled.

10:50 – 10:51 a.m., WC Calapooia Room
Faculty presenter: Bau Hwa Hsieh
Title: Introduction of students

10:51 – 11:06 a.m., WC Calapooia Room
Sarah Crocker
Faculty sponsor: Bau Hwa Hsieh
Title: Female Body in Traditional Chinese Medicine

Abstract: The five elements (gold, wood, water, fire and earth) and two essences (yin and yang) formulate the philosophical foundation of traditional Chinese medicine. Chinese obstetrician gynecologists diagnosed the female body and provided prescriptions for female diseases. In this presentation, these elements of essences will be discussed, and how Chinese physicians treated female bodies will be examined.

12:30 – 12:35 p.m., WC Calapooia Room
Faculty presenter: Narasingha Sil
Title: Introduction of students
12:35 – 12:50 p.m., WC Calapooia Room

**Lindsay Kubin**  
Faculty sponsor: Narasingha Sil  
Title: The Importance of Fashion in Early Modern England  
Abstract: Fashion was an intrinsic part of society in early modern England. A study of its trends and changes can help define the political social and economic climate of the day, and in some ways was itself an agent of change during this period of major shifts in religion, sovereign power and Social System, and popular culture.

12:50 – 1:05 p.m., WC Calapooia Room

**Eli Kem**  
Faculty sponsor: Narasingha Sil  
Title: The Making of Australia  
Abstract: The paper’s major argument is that the Australian Constitution was a product more of economic than national or ideological concerns. Alfred Deakin and the Australasian Conference of 1890 will be spotlighted. This paper discusses the Australasian Conference debates from 1897 and 1898 to identify key constitutional, economic, and foreign policy points. Especially, this study seeks to highlight the role Alfred Deakin played in the Conference debates of 1897 to 1898.

1:05 – 1:10 p.m., WC Calapooia Room  
**Faculty presenter: John Rector**  
Title: Introduction of students

1:10 – 1:25 p.m., WC Calapooia Room

**Mark Haner**  
Faculty sponsor: John Rector  
Title: Bob Marley, the Spread of Jamaican Culture and Rasta  
Abstract: The spread of Jamaican culture and Rastafarianism has been affected by many factors. Bob Marley is one of the main influences, however, due to the spiritual rhetoric used in his popular music. From his beginnings as an impoverished youth, Marley struggled to create a musical career in which his voice and the voice of his people could be heard.

1:25 – 1:40 p.m., WC Calapooia Room

**Kelly Peterson**  
Faculty sponsor: John Rector  
Title: In Grave Danger: How the United States Responds to Perceived Threats to the Nation  
Abstract: The United States has been involved in many non-conventional wars against non-conventional enemies in the 20th and 21st centuries. How the President of the United States and the U.S. government responds to these non-conventional threats will be discussed in context of two time periods: the first five years of both the Cold War and the War on Terrorism. The presidential policies created, propaganda used to create fear in the American public, and the creation of new foreign policy will be the focuses.

1:40 – 1:55 p.m., WC Calapooia Room

**Kevin Collins**  
Faculty sponsor: John Rector  
Title: Tenochtitlán and the End of the Aztec Empire  
Abstract: My presentation will examine the fall of the Aztec Empire. It will specifically look at the causes for the swift defeat of the Aztecs, which culminated in the razing of Tenochtitlán, the Aztec capital. My major argument is in regards to the misconception of most historians, whom believe the reason for the Aztecs swift collapse rests with the skill and abilities of the Spanish Conquistador, Hernán Cortés. I propose that it was in fact the Aztecs own corrupt and tyrannical society and politics which spelled the end of their empire and not a European conqueror.

1:55 – 2:10 p.m., WC Calapooia Room

**Brian Jacque**  
Faculty sponsor: John Rector  
Title: Piracy in the Caribbean and the Trade They Brought With Them  
Abstract: My presentation will be based on the practice of piracy in the area of the Caribbean between the 16th and 18th centuries. More specifically, I will describe the environment that was present and how it allowed piracy to proliferate and create a free trade, black market in the area.

2:10 – 2:15 p.m., WC Calapooia Room  
**Faculty presenter: David Doellinger**  
Title: Introduction of Students

2:15 – 2:30 p.m., WC Calapooia Room

**Francesca Morrison**  
Faculty sponsor: David Doellinger  
Title: Propaganda, Paramilitaries and Pipelines: An Investigation of the NATO Bombing of Serbia, 1999  
Abstract: When NATO launched operation Allied Force against the Federal Republic of Yugoslavia on March 24, 1999, American television screens were filled with images of mass graves, rape victims and thousands of Kosovar Albanians fleeing the Nazi-like Yugoslav military.
2:30 – 2:45 p.m., WC Calapooia Room

Sam Summers
Facultly sponsor: David Doellinger

Title: Diagram for Dictatorship, Comparing Lenin’s Writings: “What is to be Done”? and “State and Revolution”

Abstract: The Russian Revolution of 1917 defined Russia’s politics in the 20th century. The leader of the revolution, V. I. Lenin, defined his party with his writings: What is to be done? and State and Revolution. By connecting these two writings in the context of the events of 1917, I will show a diagram for Communist Russia’s political ideology. The oppressive system laid out by Lenin defined Eastern Europe in the 20th century.

2:45 – 3:00 p.m., WC Calapooia Room

Derick Handley
Facultly sponsor: David Doellinger

Title: Broadcasting a Revolution: Radio Free Europe and the Hungarian Revolution

Abstract: On March 23, 1956 a group of 200,000 protesters marched to the offices of Radio Budapest to broadcast demands against the Communist Soviet rule that had taken power in Hungary. What ensued was 12 days of violence in which the Communist leaders fled Hungary until Soviet tanks were able to regain control. While many factors played key roles into the revolution in Hungary, the messages broadcast by Radio Free Europe convinced the citizens to violently rise against the Communist leaders.

3:00 – 3:15 p.m., WC Calapooia Room

Erin Fleener
Facultly sponsor: David Doellinger

Title: Peter the Great as a Constructive Revolutionary

Abstract: Peter the Great, Tsar of Russia from 1689 until 1725, can be called a constructive revolutionary within the country. Despite the sometimes justifiable criticisms of Peter, many of his reforms were actually revolutionary, in that they brought about major changes, and were meant to be constructive, or new and beneficial, to Russia.

3:15 – 3:30 p.m., WC Calapooia Room

Faculty presenter: Kimberly Jensen

Title: Introduction of students

3:30 – 3:45 p.m., WC Calapooia Room

Jared Quinones
Facultly sponsor: Kimberly Jensen

Title: American Internment Camps: A Deviation from the Constitution

Abstract: Examine how the American leadership used war hysteria to manipulate public opinion, creating an enemy race in the process. Explore the connection between perceived military necessity and racism in its simplest form.

3:45 – 4:00 p.m., WC Calapooia Room

Austin Schulz
Facultly sponsor: Kimberly Jensen

Title: Creating Instability in the Pacific Northwest: Capital Investment Shaping The Dalles, Oregon

Abstract: This project examines the impact of post-WWII capitalism on the resources, environment and communities of the Pacific Northwest and then applying this to The Dalles. The Dalles holds significance nationally as being the end of the Oregon Trail and local significance as a major stopping point for travelers on their way to other areas of the Pacific Northwest. During the post-WWII era, there was a large increase in federal and private investment in the West, which created an environment of instability and increasing reliance on external capital projects for the communities to survive.

3:48 – 4:03 p.m., WC Calapooia Room

Lahia Ellingson
Facultly sponsor: Kimberly Jensen

Title: The Bastards of Bataan: General Douglas MacArthur’s Role in the Fall of the Philippines during WWII

Abstract: Following the attack on Pearl Harbor in 1941, the Japanese army attacked the American forces stationed in the Philippines. The actions of U.S. military leaders quickened the fall of the Philippines allowing the Japanese army to capture the island just months after attacking. This resulted in the largest military surrender in U.S. history. In this presentation I will focus on the events of the war in the Philippines as well as General MacArthur’s actions as military leader in the South Pacific. I will also look at MacArthur’s relationship with other military leaders as well as with the soldiers fighting under him.
**Mathematics**

**Session chair:** Maria Fung  
**Session title:** Mathematics  
**Location:** Werner University Center (WC)

**Presentations**

9:00 – 9:15 a.m., WC Willamette Room  
**Avery Cotton**  
Faculty sponsor: Mike Ward  
Title: Mathematical Modeling of a Suspension Bridge: Tacoma Narrows  
Abstract: To meet transportation needs, bridges have been an efficient way to cross bodies of water. Suspension bridges, in particular, not only meet transportation demands, but they also tend to be aesthetically pleasing. In this project, a mathematical model of a suspension bridge, courtesy of L. Humphreys and P. McKenna, will be explored. Using numerical analysis, we will attempt to model the Tacoma Narrows Bridge of 1940, note the effect of various parameters, and examine some simplifying assumptions within the model.

9:15 – 9:30 a.m., WC Willamette Room  
**Karen Lange**  
Faculty sponsor: Mike Ward  
Title: The Physics of Tossing a Coin  
Abstract: This talk will demonstrate the physical forces acting on the coin when it is flipped. It will also address the three following questions:  
1. Why is tossing a coin considered to be random if it is governed by physics?  
2. Why does the probability still one half with the previous restraints?  
3. How is the probability calculated for a particular toss?  
The results will be interpreted from the works of Joseph B. Keller.

9:30 – 9:45 a.m., WC Willamette Room  
**David McNeill**  
Faculty sponsor: Mike Ward  
Title: Rediscovering the Poincaré Disk with Compass and Straightedge  
Abstract: This paper will explore the nature of the Poincaré disk and the relations it possesses with its Euclidean constructions. We will further examine this infinite surface that is confined to a unit disk with the compass and straightedge. Finally, we will reveal some of its practical and creative uses stemming from the Poincaré disk.

9:45 – 10:00 a.m., WC Willamette Room  
**Noah Breslaw**  
Faculty sponsor: Mike Ward  
Title: Polygons in the Rational Plane  
Abstract: This presentation will be a brief look into some basic geometrical figures in the rational plane. It will end with a look into regular polygons in the rational plane to see which shapes exist and which shapes don’t exist in the rational plane.

10:00 – 10:15 a.m., WC Willamette Room  
**Keith Schloeman**  
Faculty sponsor: Mike Ward  
Title: Cosets and Cayley-Sudoku Tables  
Abstract: Cayley tables are similar to Sudoku puzzles in that every element of the group appears exactly once in each row and each column. There are several ways of arranging the Cayley table of a group, using cosets, so that it also satisfies the additional requirements to be a Sudoku table. One such method, and an extension of it, will be discussed.

10:15 – 10:30 a.m., WC Willamette Room  
**Jason Bruggeman, Darrel Palke and Rosemary Fama**  
Faculty sponsor: Mike Ward  
Title: RSA: Public Key Cryptography  
Abstract: We will discuss an ingenious method of sending and receiving secret messages that is based on the fact that there exists efficient methods of finding very large prime numbers, but no one knows an efficient method for factoring large integers. This method is widely used for sending messages over the Internet.

10:30 – 10:45 a.m., WC Willamette Room  
**Meghann McCoy and Courtney Stowell**  
Faculty sponsor: Mike Ward  
Title: Crystallographic Groups  
Abstract: Crystallographic groups are planar symmetry groups that are formed from infinitely repeating patterns on a plane. The patterns are invariant under combinations of two linearly independent vectors. However, they can be categorized into 17 groups, which we will explore.

10:45 – 11:00 a.m., WC Willamette Room  
**Holly Bochsler**  
Faculty sponsor: Mike Ward  
Title: A Tale of Two Triangles  
Abstract: This presentation will display the connection between Pascal’s Triangle and the Fibonacci numbers. More specifically, the powers of Fibonacci numbers will be explored and utilized to create the Fibonomial Triangle. There are striking similarities between the two triangles, which will be shown.
11:00 – 11:15 a.m., WC Willamette Room

**Vanessa Wyffels**  
Faculty sponsor: Mike Ward  
Title: How to Form a Minimal Circle around n Points  
Abstract: An old mathematical problem has a new solution. Forming a minimal enclosing circle around a set of n points has a new method. Simply begin with any two points in the set, form a circle, and partition space into different regions. Extensions of the circle can then be made based on where the other points are. Through this process, the minimal enclosing circle of the set n points can be found.

11:15 – 11:30 a.m., WC Willamette Room

**Ming Bemetz, Andrew Pickette and Michael Rivers**  
Faculty sponsor: Mike Ward  
Title: Sylow’s Theorems  
Abstract: “Sylow’s Theorem is over 100 years old. In the course of a century this remarkable theorem has been the basis for the construction of numerous theories,” said L.A. Shemetkov. In this presentation, we describe how the Sylow Theorems show us information about a group when all we know is how many elements are in it.

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**MATHMATICS**

Session chair: Maria Fung  
**Session title: Mathematics education**  
**Location:** Werner University Center (WC)

**Posters**

11:30 a.m. – 1:30 p.m., WC Oregon Room

**Melissa Heideman and Kim Pardue**  
Faculty sponsor: Maria Fung  
Title: Making cents of Money  
Abstract: This lesson plan was designed to teach students about decimals by using money. To help students conceptualize the value of decimals and money, students use both coins and money decimal squares. At the end of the lesson, students do a simulation where they must figure out which pieces are missing from their Cuisenaire Rod set, and buy the missing pieces using exact change. Students then get a pass to purchase candy for their group members from the candy store. They do not get to purchase candy until all their work is complete and correct.

11:30 a.m. – 1:30 p.m., WC Oregon Room

**Melissa Heideman and Kim Pardue**  
Faculty sponsor: Maria Fung  
Title: Manipulum  
Abstract: This is a spin-off of the game “Cranium”. It was made for the review of basic math concepts, and utilizes a wide variety of math manipulatives, including colored tiles, Fractdoku, pattern blocks, Mayan numbers, base 10 pieces, decimal squares, money, wooden cubes, paper folding, Cuisenaire Rods, Geoboards, egg-cartons, fraction bars, bean sticks, and fraction cards. It encourages cooperative learning in a slightly competitive game.

11:30 a.m. – 1:30 p.m., WC Oregon Room

**Haley Kostrba**  
Faculty sponsor: Cheryl Beaver  
Title: Clock Arithmetic Quilts  
Abstract: There will be a poster with four “quilts” designed using clock arithmetic. The quilts are made with paper and colored pencils and have small designs on them.

11:30 a.m. – 1:30 p.m., WC Oregon Room

**Julie Burich**  
Faculty sponsor: Cheryl Beaver  
Title: Cayley Table Quilts  
Abstract: There will be a poster with four “quilts” designed using Cayley tables from clock arithmetic. The quilts are made with paper and colored pencils and have small designs on them.
Mathematics

Session chair: Maria Fung
Session title: Pi Mu Epsilon Induction Ceremony
Location: Werner University Center (WC)

11:30 a.m. – 1:30 p.m., WC Oregon Room

Katie Clark
Faculty sponsor: Maria Fung
Title: Fractions with Cheese

Abstract: Oregon Department of Education standards state that students grade three must know, understand and represent common fractions, such as one-half, one-third, one-fourth, one-sixth, and one-eighth. “Order, model, compare, and identify commonly used fractions using concrete models and visual representations” (Department of Education). This activity uses a fun story and manipulatives to help students better learn, understand and to represent common fractions. This activity could be done as early as second grade as an introduction to fractions.

Through this activity and lesson, the goal is to educate students on fractions. Most importantly, I hope my students will understand fractions in relation to equal-parts of a quantity. “The first goal in the development of fractions should be to help children construct the idea of fractional parts of the whole - the parts that result when the whole or unit has been partitioned into equal-sized portions or fair shares.” (Van De Walle, p. 294)

11:30 a.m. – 1:30 p.m., WC Oregon Room

Olivia Thomas
Faculty sponsor: Maria Fung
Title: Fraction Battleship

Abstract: Students practice finding equivalent fractions while playing a game based on “Battleship.” Using Geoboards and rubber bands, students play in pairs and set up rectangular fractions around their board that are equivalent to a pre-assigned fraction. Pairs take turns guessing coordinates to discover the location of their opponent’s equivalent fractions. After guessing, the player records on their Strategy Sheet whether the guessed coordinate was a hit or a miss. The first player to destroy all of their opponent’s fraction ships wins the game.

Model United Nations

Session chair: Mary Pettenger
Session title: Model United Nations Mock Conference
Location: Humanities and Social Sciences (HS)

Presentation

10:00 – 11:00 a.m., HS 108

Brandon Harris, Lance Cummins, Matt Doyle, Ligali Harruna, Jeff Sawyer, Melissa Lee, Genna Melton, Jesse O’Neill, Laura Maddox and Max Beach
Faculty sponsor: Mary Pettenger
Title: Model United Nations Mock Conference

Description: The Model United Nations Club will hold a one hour mock session/conference, discussing a current event with each student representing a different country. Observers will learn what Model United Nations Club members do at conferences.

Music

Session chairs: Joseph Harchanko, Solveig Holmquist and Kevin Helppie
Session title: Music Performance and Composition Showcase
Location: Smith Music Hall (SM)

Performances and lectures

10:00 – 11:00 a.m., SM 121

Leslie Eck
Faculty sponsor: Kevin Helppie
Performance Lecture: The French Melodie: Berlioz to Duparc

11:00 a.m. – 12:30 p.m., SM 121

Presenters: Various
Faculty sponsor: Joseph Harchanko
Title: Student recital

12:30 – 1:50 p.m., SM 121

WOU Chamber Singers
Faculty presenter: Solveig Holmquist
Title: Composer’s Workshop: Bill Whitley’s “The Tower of Babel”

2:00 – 3:20 p.m., SM 121

Dylan Myers and Soulstice Jazz Choir
Faculty sponsor: Kevin Helppie
Title: Bringing a New Composition to Life

3:30 – 4:30 p.m., SM 121

Presenters: Various
Faculty sponsor: Joseph Harchanko
Title: New Compositions by WOU Students
**Philosophy**

Session chair: Susan Daniel  
Session title: Philosophy Senior Tutorial Papers  
Location: Humanities and Social Sciences (HS)

**Presentations**

1:00 – 1:30 p.m., HS 237  
**Deborah McDonnell**  
Faculty sponsor: Susan Daniel  
Title: Determining Liberty: the Metaphysical and Psychological Principles of Liberty  
Abstract: Freedom is argued as both a physical characteristic of actions and a cognitive element of the human mind. Through critical analysis of various freedom theories we can resolve the nature of liberty, its physical boundaries and, quite possibly, determine if freedom is a real property or a perspective of the human mind.

1:30 – 2:00 p.m., HS 237  
**Levi Hawes**  
Faculty sponsor: Susan Daniel  
Title: Artificial Intelligence: the Machine Mind  
Abstract: I do believe a machine can attain intelligence and recreate the same knowledge that man claims to have. It can attain a similarity, at the very least, so close to man that it be indistinguishable and thus the same, or no difference. The problems with many philosophical claims concerning man and machine are that they attribute similar functions in terms of understanding. We then expect the same result as if a machine was a man. I think it can be put clearly that the functions of a machine can produce the same results of a human mind, but it is in these functions that there are the differences.

The actions of a computer to achieve its goal are infinitely limited, whereas the same actions are infinitely unlimited in man. This difference represents the strengths of the machine mind and how they are superior to our own. A human mind cannot comprehend infinitely limited as it is not how we function. Thus the similar results are scrutinized by our abstract thinking and determined false, but when placed in the context of the limited input they receive and all resulting outcomes, the machine mind is incredibly more capable than our own. It is in this theory that I will look for the similarities and differences and determine that machines do know and understand as we do but in a more infinitely limited fashion.

2:00 – 2:30 p.m., HS 237  
**Casey Roach**  
Faculty sponsor: Susan Daniel  
Title: The Power of Film: Viewing and Engagement  
Abstract: Why do so many people prefer movies to other forms of entertainment? Movies are reality in an ideal form. Movies are the romanticized version of reality. The audience can vicariously experience the characters’ world without consequence. Movies allow us to experience things at a distance, while keeping us fully engaged. My theory is that due to some imbedded instinct of voyeurism, people are attracted to the movies to watch a kind of reality they wouldn’t otherwise be able to experience. They can view the story through a third party perspective that would be otherwise relatively impossible in ‘real life’.

2:30 – 3:00 p.m., HS 237  
**Mark Beach**  
Faculty sponsor: Susan Daniel  
Title: Interpreting the Symbolism of Punishment  
Abstract: Retribution, deterrence, atonement, and condemnation are all reasons we punish transgressors. My claim is that punishment should be viewed first and foremost as a symbolic act that symbolizes retribution, deterrence, etc. My claim for a symbolic understanding of punishment is because not one of the previously mention reasons stands on its own. Punishment as a symbol of breaking the social contract implied by our penal code has the benefit incorporating all justifications for punishment under its umbrella.

**Political Science**

Session chair: Mary Pettenger  
Session title: Political Science Research Papers  
Location: Werner University Center (WC)

**Posters**

9:00 – 11:00 a.m., WC Oregon Room  
**Kaleen Flukinger**  
Faculty sponsor: Mary Pettenger  
Title: Turkey & Iran: Reconciling Church and State  
Abstract: How do Muslim states reconcile the balance of church and state? This paper explores Turkey and Iran to answer this question. These two states took radically different approaches on this issue, yet careful analysis of their histories, cultures and political structures reveal that these states are very similar. Exploration of the attempts in both states to secularize to create democracy uncovers the power struggle that exists between the people and the leaders, leaving the question: Is democracy possible in Muslim states?
9:00 – 11:00 a.m., WC Oregon Room

**Stephanie Lindsley**
Faculty sponsor: Mary Pettenger

**Title:** How does Literacy Influence Political and Economic Development?

**Abstract:** Literacy influences a newly industrialized country's political and economic development. It is believed that literacy encourages sustainable development and democracy. This paper looks at the political and economic developments in India and Indonesia. It examines the influence literacy has had in terms of how well the states are achieving the United Nation’s Millennium Development Goal (MDG) in education. The comparison and differences between India and Indonesia show a pattern of influence of education and literacy rates in relation to the MDGs on economic development and political development promoting democracy or freedom.

9:00 – 11:00 a.m., WC Columbia Room

**Alvaro Hernandez**
Faculty sponsor: Joel Alexander

**Title:** Darfur and Genocide

**Abstract:** The crisis in Darfur warrants careful study to determine its causes and to give reasons why this modern day genocide needs to be addressed by the world. This paper examines the history of Sudan from independence to modern day. The causes and timeline of the crisis in Darfur are examined and several suggestions are made as to how the United States and the international community could end the crisis.

10:00 – 10:15 a.m., WC Columbia Room

**Vincent W. Shaw**
Faculty sponsor: Joel Alexander

**Title:** Evaluation of Attractiveness across Gender, Relationships and SES in Female College Students

**Abstract:** This research is to determine what, if any, connection there is between Socio Economic Status, SES, and participants’ relationship status. The participants of this study were female college students aged 19 to 20. The participants, 19 were single, and 10 were currently in a relationship. All participants were exposed to the same 20 slides containing pseudo MySpace pages, divided into unattractive, average, and attractive, males and females. There was a marginally significant interaction between gender (M, F) and relationship (single, in relationship) status groups, where participants who were in a relationship scored attractive low SES male faces higher than attractive, low-SES female faces.

10:15 – 10:30 a.m., WC Columbia Room

**Alvaro Hernandez**
Faculty sponsor: Joel Alexander

**Title:** Effects of Music Tempo and Article Type on Emotional Judgment Toward Reading Content

**Abstract:** Many studies have looked at how music tempo can affect memory and behavior. This study looked at the effect that music tempo had on judgment of news content. It was hypothesized that participants would have a more positive judgment towards the news content when music tempo was fast than when it was slow. Eighteen students (M=6, F=12) participated in the experiment which was a two article (positive, negative) x three condition (no music, slow tempo, fast tempo) between subjects design. Although data moved in the direction of the hypothesis, no significant difference was found. Further research needs to be done with larger sample sizes.

10:30 – 11:00 a.m., WC Columbia Room

**Tammy McCammon**
Faculty sponsor: Mary Ellen Dello Stritto

**Title:** Masturbation: Sexual Attitudes of College Students

**Abstract:** This study examined the sexual attitudes of college students regarding the topic of masturbation. This researcher evaluated the level of communication students had with significant people in their lives, including parents, and the level of sexual education students received. Masturbation is a taboo, or “off-limits” subject in American culture and the topic of masturbation is rarely discussed in sex education classes (Bullough, 2005). It was hypothesized that this remains true and that individuals who did receive sex education in classes did not discuss the topic of masturbation. Results indicate a significant effect between parental communication and sexual attitudes.

11:00 – 11:15 a.m., WC Columbia Room

**Emily Wilczek**
Faculty sponsor: Joel Alexander

**Title:** Background Television and Its Influence on Recognition During Reading

**Abstract:** The hypotheses stated that if there is distraction when reading, then recognition will decrease during test taking and that visual/audio distraction will result in lower scores. Participants included 51 Western Oregon University undergraduates, with 18 males and 33 females. Materials used during the study were a Jeopardy episode (2005), a TV/DVD player, sample SAT preparation reading passage/questions (Yahoo! Inc., 2006), and an informed consent/debriefing statement. There was no significant effect between gender, F(1,45) = .052, p = n.s., or distraction group, F(2,45) = 2.748, p = n.s. There was no significant interaction between gender and TV distraction, F(2,45) = .562, p = n.s.
11:30 a.m. – 12:30 p.m., WC Columbia Room
Invited Speaker: Tanya Tompkins
Linfield College
Psychology Keynote Speaker, WOUPSA Club
Title: Youth Suicide: Building Community Partnerships, Finding Solutions

Abstract: I will provide an overview of the problem of youth suicide, including a look at national, state and local statistical data on the scope of the problem. I will review key prevention strategies and discuss the development of a local suicide prevention coalition and rationale for the strategies adopted. I will also highlight the mutually beneficial roles that emerge from community partnering, including: community problem solving, raising awareness of suicide and mental health, enhanced student learning, and contributing to scientific understanding of community-based prevention of suicide. I will end with a look at future directions, including the application of gatekeeper training to the college setting and the development of a Pacific Northwest College Suicide Prevention Coalition.

1:00 – 1:30 p.m., WC Columbia Room
Ben Blackburn, Kristopher Clifton, Porsha Crager, Aaron Dalisky, Alisa Glass, Connie Herbert, Jeff Rhoades, Rose Silbernagel, Alex Sims, Jennifer Sumner, Daniela Stevens, Wesley Stoller, Alexis VanBrooklin and Emily Wilczek
Faculty sponsor: Chehalis Strapp
Title: The Western Oregon University-Talmadge Middle School Mentoring Program: Achievements and Challenges

Abstract: This presentation will discuss the effects of a short-term mentoring program. Fourteen undergraduate students, including eight females and six males mentored at-risk middle school students for six months. Mentors focused on individual goal setting and assessed progress across the program. In addition to academic improvements, middle school students showed increases in organizational skills, and decreases in problematic behaviors including detentions. Implications for mentoring middle school students are discussed.

1:30 – 2:00 p.m., WC Columbia Room
WOUPSA Research Awards

This session will honor the student research projects that were chosen to win awards by the WOUPSA club. Award winners will be recognized.

2:00 – 2:15 p.m., WC Columbia Room
Ashley Arnold, Phil Mathews and Eric Nicolarsen
Faculty sponsor: David Foster and Vic Savicki
Title: Effects of Self-Esteem and Group Forming on Work Group Performance

Abstract: The objective performance of small work groups was influenced by the relative levels of self-esteem between the member with the worst, versus the member with the best individual performance. Groups with high self-esteem, poor performing members showed the worst performance specifically under conditions in which the groups did not engage in a pre-decision making, “getting to know you”, forming activity. Further analyses revealed that members of these poorest performing groups used significantly more “I” statements than other groups, and that the least competent members of these poorest performing groups talked significantly more than the least competent members of the other groups.

2:15 – 2:30 p.m., WC Columbia Room
Faculty sponsor: Kathryn Thompson
Title: “So What, I’m Fine Syndrome” In University Students of Divorce

Abstract: This study compared university students from intact and divorced families on measures of attachment and academics. Students responded to the Parental Caregiving Style Scale, the Inventory of Parent Attachment Scale, the Adult Attachment Scale, and reported grade point average (GPA). A two-way MANOVA indicated that the two groups of students differed significantly on the dependent variables. There was a main effect of sex of participant, but no significant interaction of group and sex. ANOVAs indicated that the two groups scored very similarly on measures assessing self-functioning (GPA and adult attachment scores). However, students of divorce reported less positive memories and perceptions of parents.
9:00 – 11:00 a.m., WC Oregon Room
Shannon Lettow
Faculty sponsor: Chehalis Strapp
Title: The Affects of Positive Feedback on Self-Efficacy in College Students
Abstract: Individuals who received positive feedback after completing a challenging task will show a change in their self-efficacy relative to receiving no feedback. Seventy students (19 men, M=22.5 years; 51 women, M=21.5 years) were randomly assigned to receive positive or no feedback after completing a challenging task. Self-efficacy was assessed before and after the task. Results show, that individuals who received positive feedback had a larger change in their self-efficacy strength relative to individuals who received no feedback. This research suggests that verbal feedback influences self-efficacy.

9:00 – 11:00 a.m., WC Oregon Room
Stephanie Williams and Amber Walker
Faculty sponsor: Rob Winningham
Title: Negative Effects of Extreme Optimism on Academic Success
Abstract: The correlation between optimism levels and academic success was investigated. The study was performed on 40 students from Western Oregon University between the ages of 19 and 30. Optimism was measured using a life orientation test, and academic success was measured using accumulative college or high school grade point averages (GPA). The results moved towards a correlation between optimism and academic. Results suggested the more optimistic a person is the higher their GPA. These findings are compatible with previous research (Aspinwall & Taylor, 1992; Carter, Gibbons, McLaughlin, & Tchen, 2001) that showed optimism and academic success have a positive correlation. Such findings could change the acceptance qualifications for college students.

9:00 – 11:00 a.m., WC Oregon Room
Daniela Stevens
Faculty sponsor: Joel Alexander
Title: Effects on Word Length: Real and Nonsense Words on Free Recall
Abstract: This study tested word length effect by evaluating if females recall accuracy is favored for shorter words than longer words. There were 17 males and 27 females. Using a PowerPoint slide show, the control group was shown one syllable words and the experimental group was shown three syllables. Both groups were shown a mixture of six real and six nonsense words, and were instructed to recall the words in any order for one minute. Results showed that one syllable words were easier than three syllables and real words were recalled more than nonsense. An interaction occurred where males performed better on nonsense words than real words while females showed opposite effect. The results suggest that people are able to recall a higher number of shorter words than longer words during a STM task.

9:00 – 11:00 a.m., WC Oregon Room
Laci Allstot
Faculty sponsor: Chehalis Strapp
Title: Eyewitness Memory and the Effects of Misleading Questions
Abstract: This research was on accuracy of eyewitness memory and the effect of misleading questions. The researcher predicted that misled participants would be less accurate than neutral participants. A between-subjects design was used. Forty participants, 20 males and 20 females (M=20.5 years, SD=1.41) watched a video of a bank robbery, were randomly exposed to neutral or misleading questions through a questionnaire, and given another questionnaire that measured the effect of the misleading or neutral questions. Participants in the misled group were less accurate than participants in the neutral group. These results suggest that an eyewitness' memory is susceptible to suggestion.

9:00 – 11:00 a.m., WC Oregon Room
Vicki Kellner
Faculty sponsor: Chehalis Strapp
Title: First Impressions: How Attractiveness is Perceived with Direct Eye Contact
Abstract: This study hypothesized that ratings of attractiveness would increase with direct eye contact, compared to indirect eye contact. Using a within-subject designed, twenty college students; 14 females and 6 males. (M= 20 years, SD=2.3), viewed pictures with varying directions of eye contact and rated the attractiveness of the person in the picture. The pictures with direct eye contact received higher attractiveness ratings than those with indirect eye contact, suggesting that perceived level of attractiveness can be influenced by eye contact.
9:00 – 11:00 a.m., WC Oregon Room

**Shannon Lettow and Tricia Brigham**
Faculty sponsor: Rob Winningham

**Title: The Effects of Childhood Spanking on Adulthood Aggression**

Abstract: Spanking is widespread in our society today and researchers do not completely understand how physical punishment during childhood affects adults (Gershoff, 2002). We measured the relationship between the amount of self-reported childhood spanking and aggression in adulthood. We asked 70 participants to rate the amount of spanking they received on a 1 to 6 scale. Participants also completed the Buss and Perry (1992) Aggression Questionnaire. Results indicated a positive correlation (r = .27) between participants’ amount of spanking and their aggression score in adulthood. We conclude that as the frequency of spanking a child increases, adulthood aggression also increases.

9:00 – 11:00 a.m., WC Oregon Room

**Jessica Charlton**
Faculty sponsor: Chehalis Strapp

**Title: Effect of Word Length on Recall of Pure and Mixed Word Lists**

Abstract: The purpose of this study was to assess recall of short (one or two-syllable) and long (three or four syllable) words. It was hypothesized that more short words would be recalled than long words, producing a word-length effect. Twenty-one university students participated in the study with fifteen females and six males (M= 19.5 years, SD=1.75). Students were randomly assigned to study short or long lists and later asked to recall the words. Short words were recalled more than long words. Results supported the hypothesis of word-length effect, implicating that short words may be more easily recalled over long words.

9:00 – 11:00 a.m., WC Oregon Room

**Alex Sims**
Faculty sponsor: Chehalis Strapp

**Title: Accuracy of Age Estimation Across Age Ranges**

Abstract: It was predicted that college students would more accurately estimate the age of college students relative to older individuals. Thirty participants, 15 males, 15 females, (M=21 years, SD=1) participated in this study. Using a within subjects design participants viewed pictures of 16 similar age 18 to 24 year olds, and 16 different age 40 to 47 year olds, and then estimated the age of the people in the pictures. The results showed participants more accurately estimate similar age people, then different age people, suggesting college students more accurately estimated the age of the college students.

9:00 – 11:00 a.m., WC Oregon Room

**Lily Drofyak**
Faculty sponsor: Chehalis Strapp

**Title: Effects of Lavender on Stress Reduction**

Abstract: This study was designed to assess the effects of aromatherapy using lavender fragrance *Lavandula angustifolia* to determine if it can reduce mental stress. Using a between-subject design, forty participants, including 20 females and 20 males (M=18 years, SD=2) were randomly assigned to either receive aromatherapy for five minutes or to be in the control group, who were left in the room alone without any aromatherapy. Outcome measures included a perceived stress scale of participants’ current stress level. The participants who were exposed to lavender scored lower on their perceived stress questionnaire compared to control group. This implies that lavender fragrance is associated with reduced mental stress.

9:00 – 11:00 a.m., WC Oregon Room

**Erin Machan**
Faculty sponsor: Chehalis Strapp

**Title: Gender Differences for Sexual and Emotional Infidelity**

Abstract: This research predicted that in romantic heterosexual relationships men would view sexual infidelity worse, while women would find emotional infidelity more upsetting. Using a between-subject design, forty participants, including 26 females and 14 males (M=21.4 years, SD=2.4) read one of two scenarios either dealing with sexual infidelity or emotional infidelity. Participants completed an adjective ranking scale to assess the degree of severity created by the infidelity scenario. Men ranked sexual infidelity as more upsetting while women were more distressed by their partner committing emotional infidelity. These results suggest that each gender perceives infidelity differently.

9:00 – 11:00 a.m., WC Oregon Room

**Nicolle Clemmer**
Faculty sponsor: Chehalis Strapp

**Title: How Self-Esteem Influences Appraisal of Transgression and Perceptions Within a Relationship**

Abstract: This study predicted that low self-esteem individuals would show more distress than high self-esteem individuals after recalling a time when they disappointed their partner or when their partner disappointed them. A between-subjects design using 24 females and 19 males (M=21 years, SD= 4.87) who completed a self-esteem questionnaire, were randomly assigned to either recall a time when they disappointed their partner or when their partner disappointed them, and completed appraisals of transgression and perception questionnaires. Low self-esteem individuals were more affected by recalling either transgression than high self-esteem individuals, thus individuals with low self-esteem may have more difficulty functioning in relationships.
9:00 – 11:00 a.m., WC Oregon Room

**Darcy Crawford**
Faculty sponsor: Chehalis Strapp

Title: Race and Ethnic Differences for the Sentencing of Criminal Defendants

Abstract: This research predicted the race of a defendant would affect sentencing recommendations from a mock jury, and that the sentences would be longer for an African American, than for a Caucasian, when the crime of armed robbery was assessed. Using a between-subjects design, thirty participants, including 15 females and 15 males (M=19.5 years, SD=1.21) were randomly assigned to read a vignette in which the defendant was African American, Caucasian, or no race specified, and then rate the most likely sentence. The African American defendant received a longer sentence when compared with the other defendants. These results suggest that racial biases influence sentencing.

9:00 – 11:00 a.m., WC Oregon Room

**Heather Case**
Faculty sponsor: Chehalis Strapp

Title: The Effects of Stress on an Attention Related Task

Abstract: This study examined negative effects of stress on attention. Participants included 30 students randomly assigned to an experimental or control group, including 15 females, 15 males, ages 18 to 50 years. The experimental group included heightened stress induced by the researcher’s presence in the room while the control group performed the task without the researcher. Participants completed an attention task and performance was measured in seconds to completion. Results showed that the experimental group had higher completion times than the control group, suggesting that stress influences attention tasks.

9:00 – 11:00 a.m., WC Oregon Room

**Venus Coulter**
Faculty sponsor: Chehalis Strapp

Title: Perceptions of White-Collar and Blue-Collar Crime: The Effect of Race on Time Sentenced

Abstract: This research predicted that a white person would be judged more harshly for committing a white-collar crime (embezzlement), and a black person would be judged more harshly for committing a blue-collar crime (burglary). Using a between-subjects design, thirty-two participants, including 20 females and 12 males (M=20.5 years, SD=1.42) read descriptions of embezzlement and a burglary committed by both races, and then asked to recommend a jail sentence. As predicted there was a significant difference in jail sentencing among the two nationalities. Stereotyping crimes may be causing minority groups to receive longer jail sentences.

9:00 – 11:00 a.m., WC Oregon Room

**Peggy Mangan**
Faculty sponsor: Chehalis Strapp

Title: Impact of Positive vs. Negative Feedback on Human Performance

Abstract: This study examines the impact of positive and negative feedback on human performance, predicting negative statements interfere with performance outcomes, and positive statements enhance performance outcomes. Thirty undergraduates, 17 females and 13 males, ages 18 to 26 (M=20.5 years, SD=1.18) were randomly assigned to one of three groups, receiving positive, negative, or no feedback, prior to performing a moderately difficult task. Amount of time and number of verbally expressed frustrations were used to assess performance. Students who received negative feedback took longer to perform, expressed more verbal frustration, and had a higher rate of incompletion than positive or no feedback groups.

9:00 – 11:00 a.m., WC Oregon Room

**Alethea Barlowe**
Faculty sponsor: Chehalis Strapp

Title: Race and Crime

Abstract: This research predicted a difference between the guilt of an African American and Caucasian defendant in a mock jury situation. A between-subjects design included 50 participants, 30 females and 20 males (M=19 years, SD=1.7). Participants were randomly assigned to read a criminal case with an African American defendant or a Caucasian defendant accused of assault. The participants then rated the defendant’s guilt on a 5-point scale and also gave a “punishment” the defendant should receive. The African American defendant received a higher guilt rating compared to the Caucasian defendant. These results suggest race influences trial cases.

9:00 – 11:00 a.m., WC Oregon Room

**Erin Glovinsky**
Faculty sponsor: Chehalis Strapp

Title: The Effects of Gender on Criminal Sentencing for Blue and White Collar Crimes

Abstract: Gender differences occur in our society causing various stereotypes. This research predicted that males would be punished more harshly than females in two different types of crimes. Using a between subjects design, 25 participants (M=20 years, SD=2.5) were randomly given one of four criminal scenarios, female or male criminal convicted of robbery or embezzlement. The participants rated the number of years the defendant should be sentenced to on a 7-point scale. Male criminals were sentenced to longer jail time; both for robbery and embezzlement relative to females. These results suggest that gender influences criminal punishment.
9:00 – 11:00 a.m., WC Oregon Room

**Janelle Bulliman**
Faculty sponsor: Chehalis Strapp
Title: The Effect of Gender and Job Types on Hiring

Abstract: This study analyzed gender discrimination in the hiring process. Using a between-subject design, thirty participants, 14 males and 16 females (M=21.76 years, SD=2.1) were asked to read a gender stereotyped job description and a résumé containing the applicants’ gender. They were then asked to rate the likelihood of hiring the individual and potential pay on a Likert scale. Regardless of the job, females were given lower potential pay, and would also be less likely to be hired than males. The results suggest gender influences hiring decisions.

9:00 – 11:00 a.m., WC Oregon Room

**Patricia Frazier**
Faculty sponsor: Chehalis Strapp
Title: The Effects of Restricting Hand Gestures on Lexical Retrieval

Abstract: This study examined the effects of restricting hand gestures on lexical retrieval. Twenty participants, including 10 males and 10 females (M=21.45 years, SD=4.06) were tested using a within-subjects design. Each participant was given two sets of definitions and was asked to retrieve the associated words. Participants’ hand gestures were restricted during retrieval of one set of words and those results were compared to the recall score they received for the unrestricted hands condition. These results suggest that restricting hand gestures significantly impairs the retrieval of words.

9:00 – 11:00 a.m., WC Oregon Room

**Connie Herbert**
Faculty sponsor: Chehalis Strapp
Title: Effect of Classical Music, Rock Music and Silence on Relaxation

Abstract: This research hypothesized that participants who listened to classical music or sat in silence would report a higher level of relaxation and more changes in physiological measures than those who listened to rock music. With a between subjects design, 12 males and 18 females (M=3 years SD=3.5) were randomly assigned to listen to classical or rock music, or sit in silence. Participants rated their level of relaxation and had physiological measures recorded pre and post-test. Physiological and self-reported relaxation was higher in the classical music and silence group, which implies listening to classical music and sitting in silence can be relaxing.

9:00 – 11:00 a.m., WC Oregon Room

**Ashley Arnold**
Faculty sponsor: Chehalis Strapp
Title: Effect of Color on Mood

Abstract: This research predicted that color would have an effect on mood. Using a between-subjects design, thirty participants, including 20 females and 10 males (M=20 years, SD=2.11) were randomly assigned to one of three color conditions (red, blue, or white). The Eight States Questionnaire was administered on red, blue or white paper to assess mood. Participants should score higher on levels of arousal (mood), when assessed on red or blue paper related to white. These results suggest that color in the environment can affect mood, an important factor in the workplace or a study setting.

9:00 – 11:00 a.m., WC Oregon Room

**Casey Roach**
Faculty sponsor: Chehalis Strapp
Title: The Effect of Relationship Status on Perceived Desirable Personality Traits

Abstract: This research predicted that a person described as “single” would be rated more negatively than the same individual listed as “taken” or without a disclosed status. In a between subjects design, fifty participants, 25 males and 25 females (M=21 years, SD=1.5), were randomly assigned to read a description of a person, whose relationship status was identified as single, taken or not disclosed. Participants then rated the person on a series of positive and negative traits from the MARS (Quereshi, 1981). The single person was rated more negatively than the taken or not disclosed person. This suggests a negative stereotype towards single people.

9:00 – 11:00 a.m., WC Oregon Room

**Wesley Stoller**
Faculty sponsor: Chehalis Strapp
Title: Effect of a Construct Dependent Mechanism on Semantic Encoding

Abstract: This research examined the effect of a construct dependent mechanism on semantic encoding. This research used a between-subjects design with forty participants; including 25 females and 15 males (M=20.5 years, SD=1.31). Participants were randomly assigned to one of three priming mechanism groups; construct, category, or of no-relation. All participants took an analogy test. Answers to the analogy test were quantified by similarity to priming test. It was found that there was no relationship between words of similar construct within the priming test, and the type of answers to the analogy test.
9:00 – 11:00 a.m., WC Oregon Room

**Tricia Brigham**
Faculty sponsor: Chehalis Strapp
Title: Teeth Trouble: Does it Affect Helping Behavior?
Abstract: Subjects are more likely to inform an individual about their appearance when they believe the person has somewhere important to be, rather than if they were just visiting a friend. One hundred individuals from the Salem area (50 men and 50 women, M=35) were approached by a female confederate with an obvious piece of food in her teeth. Half of the participants were told that the woman had an important interview to attend, while the others were told she was meeting a friend. Results showed individuals informed the confederate more when they were told of the important situation.

9:00 – 11:00 a.m., WC Oregon Room

**Alisa Glass**
Faculty sponsor: Chehalis Strapp
Title: Jealousy Differences Between Genders: Sexual and Emotional Infidelity
Abstract: This study predicted that men would respond with stronger emotions dealing with sexual infidelity, while women would respond with stronger emotions dealing with emotional infidelity. There were 45 participants between the ages of 18 to 27 (19 males and 26 females). Using a two-by-two between-subject design, participants read a sexual infidelity or an emotional infidelity scenario and then rated their feelings of jealousy on a 5-point Likert scale. The results showed that men have stronger emotions with sexual infidelity, and women have stronger emotions with emotional infidelity. This shows just how different the human race is in diverse circumstances.

9:00 – 11:00 a.m., WC Oregon Room

**Amanda Miles**
Faculty sponsor: Chehalis Strapp
Title: The Effect of Alcohol on Blame Attribution Regarding Acquaintance Rape
Abstract: This study predicted that victims would be blamed more and perpetrators less for rape with prior alcohol consumption. Twenty-seven female and 13 male participants in this between-subjects experiment (M=20.1 years, SD=1.7) were randomly assigned to read a rape scenario that varied regarding whether alcohol was consumed prior to the rape. Participants rated the amount of blame that should be attributed to the victim and perpetrator. Victims were seen as more responsible for their own rapes, but perpetrators less so, in the alcohol scenario, suggesting that the presence of alcohol in rape cases can obscure blame attribution.

9:00 – 11:00 a.m., WC Oregon Room

**Sarah Szabo**
Faculty sponsor: Chehalis Strapp
Title: The Effects of Depressed and Elated Mood States on Memory
Abstract: This study predicted that recall is greatest when in a happy mood during encoding and recall. Using a between-subjects design, forty participants, 30 females and 10 males (M=20.5 years, SD=1.8) completed a word recall test under one of four conditions: same happy or sad induced mood at encoding and recall, and different induced mood at encoding and recall. Mood was induced using music and assessed twice using the Positive and Negative Affect Schedule (Watson & Clark, 1988). Results showed that recall is greatest when in a happy mood state at encoding and recall. These findings imply that mood affects memory.

9:00 – 11:00 a.m., WC Oregon Room

**Aaron Dalisky**
Faculty sponsor: Chehalis Strapp
Title: Misleading Information, Verbal versus Transcribed Recall and Its Effect on Eyewitness Memory
Abstract: The research predicted that misinformation presented after witnessing a scene would affect correct recall for the event. Using a between-subjects design, sixty students, 40 females and 20 males (M=20.5, SD=1.74), were randomly assigned to one of four groups. Participants were presented with verbal or written misinformation or no misinformation and then were asked to recall events from the video verbally or in writing. Participants that were presented with misinformation verbally recalled less information correctly than the other groups. These results suggest that misinformation can affect correct recall for an eyewitness event.

9:00 – 11:00 a.m., WC Oregon Room

**Sara Shockman**
Faculty sponsor: Chehalis Strapp
Title: Do Gender and Attractiveness Have an Impact on a Person’s Salary?
Abstract: Are salary decisions made based on a person’s gender or whether or not they are attractive? The participants were 27 females and 23 males ranging in age from 18 to 24. Participants were given an applicant’s photo, resume, and a job description and were asked to determine an appropriate starting salary for the individual. Photos were of both men and women, one of each sex either being attractive or unattractive. Both men and attractive individuals were given higher salaries. This finding indicates that even though we have made significant efforts to increase fair hiring practices there is still room for improvement.
9:00 – 11:00 a.m., WC Oregon Room

Monica Boucher  
Faculty sponsor: Chehalis Strapp  
Title: Self Esteem and Stereotype Threat in Females  
Abstract: The researcher predicted that math scores will differ in women who have low self esteem compared to those with high self esteem and that women who received a stereotype threat will show lower self-esteem. Using a between-subject design, 40 females (M=21 years, SD=7) were randomly presented with a stereotype threat “women perform poorly on this task” or were told nothing prior to completing a math task. Results indicated that women with lower self-esteem were more influenced by the stereotype threat than those with higher self-esteem, suggesting that environmental factors influence task performance.

9:00 – 11:00 a.m., WC Oregon Room

Shantya Jackson  
Faculty sponsor: Chehalis Strapp  
Title: Color and Its Effect on Mood  
Abstract: This research predicted that different colors, specifically red and blue, will differentially affect mood. Using a between-subjects design, 50 participants, including 27 females and 23 males (M=21.06 years, SD=1.21) were randomly assigned to complete a mood scale on red, blue, or white paper. Those exposed to red had higher scores in arousal and those exposed to blue had higher scores in anxiety. The results of this study suggest that different colors do in fact have an affect on mood.

9:00 – 11:00 a.m., WC Oregon Room

Jessica Hofferber  
Faculty sponsor: Chehalis Strapp  
Title: The Effects of Divorce on Person’s Perception  
Abstract: Persons with marital status of married or never married would be perceived more positively than divorced persons. Thirty male and 30 female participants, 18 to 40 years of age, (M=21, SD=22.5) were randomly assigned to read a vignette that varied the gender and marital status (never married, married, or divorced) and were asked to rate the described person on a series of negative and positive qualities (Etaugh & Malstrom, 1981). As predicted, divorced persons were evaluated more negatively than other groups of individuals. People of divorce were perceived differently than married or never married individuals.

2:00 – 4:00 p.m., WC Oregon Room

Aaron Murray  
Faculty sponsor: Chehalis Strapp  
Title: The Effects of Increased Rotation on the Mental Rotation Paradigm  
Abstract: The present study predicted that an increase in degrees of rotation within a mental rotation paradigm would lead to increases in response time. Twenty-four subjects (12 men, M=19 years. 12 women, M=22 years. SD=2.3) were given ten trials of the Mental Rotation Task (MRT) via computer with varying degrees of rotation (IV) and the amount of time (DV) in seconds to correctly identify the rotated object. Results suggest that visuospatial ability and handedness are related to performance on mental rotation tasks.

2:00 – 4:00 p.m., WC Oregon Room

Kristopher Clifton  
Faculty sponsor: Chehalis Strapp  
Title: Chewing Gum Influence on Enhanced Memory Recall: A Re-examination  
Abstract: This study tests the hypothesis that chewing gum can lead to cognitive enhancement at the time of recall due to context-dependent learning. A comparison between the cognitive performance effects of chewing gum to the effects of not chewing gum was used. Participants were 30 undergraduate psychology students aged 18 to 30 (M = 20.76). A between-subjects design was used. Participants completed a 15 word memory recall test under one of four conditions involving chewing gum and no chewing gum during learning and recall. A word list was learned with or without chewing gum. Recall was tested with or without chewing gum. Chewing gum led to enhanced cognitive performance.
2:00 – 4:00 p.m., WC Oregon Room

**Meghan Morris**  
Faculty sponsor: Chehalis Strapp  
**Title:** The Effect of Scent on Anxiety and Mood  
**Abstract:** This research predicted lavender and orange essential oils would reduce anxiety and improve the mood of students exposed to an anxiety-provoking situation. Utilizing a mixed-subjects design, 45 participants, including 28 females and 17 males (M=21 years, SD=3) were randomly assigned to the orange, lavender, or control condition. Participants completed a mood and anxiety assessment once before and again after the aromatherapy. Both essential oil conditions decreased anxiety and improved mood. This suggests that orange and lavender aromatherapy can have beneficial affects for students.

2:00 – 4:00 p.m., WC Oregon Room

**Sandra LaChance**  
Faculty sponsor: Chehalis Strapp  
**Title:** Functional Fixedness and Problem Solving  
**Abstract:** Research predicted that prior use of an object would increase functional fixedness, the ability to use an object in a non-traditional manner. Using a between-subject design, 20 participants, 13 females and 7 males (M=18.5 years, SD=1.5) were randomly assigned to complete a problem-solving task while being timed. The control group used the object and then was primed to use it again during the task. The experimental group was not primed to use the target object during the task. The results suggest that prior use of an object increases the amount of time used to complete the task.

2:00 – 4:00 p.m., WC Oregon Room

**Summer Dodge**  
Faculty sponsor: Chehalis Strapp  
**Title:** Effects of Music Tempo on Task Performance  
**Abstract:** This research predicted there would be a difference in cognitive performance based on music tempo. Using a between-subjects design, 30 participants, consisting of 23 females and 7 males (M=21.5 years, SD=4.25) were randomly assigned to perform a cognitive task while in the presence of slow tempo or up-tempo music. The number of correct answers was compared across the two music conditions. Performance on the cognitive task in the presence of up-tempo music was lower than performance in the slow tempo music condition. This implies that music tempo does influence cognitive performance.

2:00 – 4:00 p.m., WC Oregon Room

**Elizabeth Strauser**  
Faculty sponsor: Chehalis Strapp  
**Title:** Effects of Accurate, Inaccurate, or No Statistics on Reporting Tendencies Concerning Substance Use  
**Abstract:** Statistics presented showing past substance use will influence how participants respond to questions in an anonymous substance use survey. Using a between subjects design, 100 participants comprised of 70 females and 30 males (M=22 years, SD=4.8) were randomly assigned to complete a survey either containing no statistics, accurate statistics, or a survey containing statistics that were inflated by ten percent. Participants that received surveys with statistics showed an increased reporting of substance use versus the control group that received no statistics on the survey. These findings suggest that conformity is present even when surveys are kept anonymous.

2:00 – 4:00 p.m., WC Oregon Room

**Rebecca Mitchell**  
Faculty sponsor: Chehalis Strapp  
**Title:** American Sign Language in Relation to Spatial Expression  
**Abstract:** American Sign Language increases the use of 3D tools, when explaining the layout of an area. Using a between design, 56 women (M=23 years SD=2.1) participants were randomly assigned a 2D or a 3D tool to complete a visual task. Twenty-four participants had no knowledge of ASL and thirty-two had ASL experience (M=2.37 years SD=1.2). The task was timed to see how long each participant used the tool. The 3D tool was used longer when the participant knew ASL, and the 2D tool was used longer when the participant did not know ASL.
Abstract: This study predicted that the body will show signs of anxiety simply from visual cues. Using a mixed subjects design, 50 participants, including 25 females and 25 males (M=19 years, SD=1.5) were randomly assigned to view a video of snakes or a video of kittens playing. Blood pressure readings were taken pre and post viewing. The snake video produced greater blood pressure changes relative to the kitten video. These results suggest that visual cues are able to produce physiological responses.

Sarah Schuening
Faculty sponsor: Chehalis Strapp
Title: Word Length and Short-term Memory
Abstract: Considering short-term memory capacity is 7±2, this research predicted that more short words would be remembered than long words. Using a within-subjects design, 35 participants, including 27 females and 7 males, (M=19.9 years, SD=1.74) read lists of pure short words (one syllable), pure long words (five syllables), and alternating short and long words. Words recalled in the correct serial position were considered correct. Recall was better for words in pure short lists and short words in mixed lists than long words, suggesting that more short words can be held in short-term memory than long words.

Jennifer Sumner
Faculty sponsor: Chehalis Strapp
Title: The Affects of Classical Versus Rock Music on Mood
Abstract: This study examined the different effects that rock music and classical music has on mood. Thirty-one college students, including 15 males, 16 females (M=25 years, SD=3) participated in this study. Using a mixed-design study, participants first listened to silence then completed a shortened version of the Profile of Mood States (Shacham, 1983). Next, participants listened to music (being randomly assigned to either classical or rock) and then again completed the shortened version of the POMS. Differences in mood change were expected to be found. Results will help better understand how music affects mood.

Tina Trinh
Faculty sponsor: Chehalis Strapp
Title: Conflict Management Style Determined by Situation
Abstract: This within-subjects study predicted subjects would adapt their conflict management style (CMS) to suit a situation. The college student participants’ (females=15, males=10, M=25 years, SD=3) dominant CMS was measured by the Thomas-Kilmann Conflict Mode Instrument (1974). Subjects were presented two conflict scenarios designed by Callanan and Perri (2006) and asked to pick a resolution they would use. The resolution showed subjects’ situational CMS. When the dominant and situational CMS were compared, the results suggested subjects selected a CMS based on the scenario rather than their dominant CMS. This suggests that CMS is flexible and can be influenced by the environment.

Kali Hethorn
Faculty sponsor: Chehalis Strapp
Title: The Effects of Gender on Appraisals of Domestic Abuse Severity
Abstract: This investigation examined whether participants would view a typical domestic violence situation differently than an atypical incident. Using a between-subject design, 32 participants, including 21 females and 11 males (M=19.2 years, SD=1.13) were randomly assigned to read a domestic abuse scenario that was either typical (male to female) or atypical (female to male, male to male, and female to female) and then fill out a questionnaire measuring perceptions of the incident. As predicted, participants viewed the typical incident to be more severe than the atypical, suggesting a gender bias in perceptions of domestic abuse.

Ryan Brush
Faculty sponsor: Chehalis Strapp
Title: Afro-centric Features and Stereotyping
Abstract: Afro-centric features cue stereotypical responses from African and Caucasian Americans. Forty subjects (M=19 years, SD=4.74) matched 4 head shots of male figures to 4 corresponding biographies. One group matched biographies corresponding to all white faces, while the other group matched black faces to biographies. The written biographies differentiated in their illustration of positive and negative histories. The white and black photos corresponded in the varying levels of Afro-centric features. Afro-centric features of white and black individuals were associated with the negative biographies. Results suggest negative stereotypical responses are elicited from individuals with higher Afro-centric features despite race.

Andrea Pallister
Faculty sponsor: Chehalis Strapp
Title: The Effects of Music on Purchase Behavior
Abstract: This research predicted that music impacts the purchase behaviors of consumers. Using a mixed design, 30 participants, including 15 males and 15 females (M=19.5 years, SD=1.21) viewed two greeting cards randomly matched with happy or sad music. Mood was evaluated...
before and after each condition using the Quick Mood Scale and participants completed a 10-question survey measuring perceptions of the products and purchase behavior. The advertisement displayed with the happy music was perceived as the most likely to be purchased by the participants. These results suggest that music in advertisements impacts consumers’ purchase behaviors.

2:00 – 4:00 p.m., WC Oregon Room

**John Carlile**  
Faculty sponsor: Chehalis Strapp  
Title: Gender Differences in Helping Behavior  
Abstract: It was hypothesized that helping behavior occurs more often when the person in need of help is the opposite sex relative to the person giving help. A total of 60 students, 30 males and 30 females, ages 18 to 25, observed a male or female confederate drop a pen. The sex of the subject and whether or not they returned the pen was recorded. As anticipated female participants were more likely to return the pen to the male confederate and male participants were more likely to return the pen to a female confederate suggesting that sex influences helping behavior.

2:00 – 4:00 p.m., WC Oregon Room

**Ashley Buchert**  
Faculty sponsor: Chehalis Strapp  
Title: Effect of Treatment Participation on Return of Custody  
Abstract: This research predicted that custody of a minor child would be more likely returned to a substance addicted mother if in residential treatment rather than not in treatment. Using a between subjects design, 25 participants, 15 female, 10 male (M=20.5 years, SD=1.75) were randomly assigned to read a biography of a mother in treatment or a mother not in treatment, then asked to rate likelihood of custody return. The results indicated a strong bias in favor of mothers in treatment, suggesting that residential treatment participation influences custody return.

2:00 – 4:00 p.m., WC Oregon Room

**Ashley Gilbreth**  
Faculty sponsor: Chehalis Strapp  
Title: The Impacts of Media  
Abstract: This research predicted that participants exposed to media representations of the ideal body image would rate themselves lower on scales assessing self-esteem and body image compared to those exposed to neutral images. Using a mixed-subjects design, 30 participants, including 25 females and 5 males (M=19.5 years, SD=1.21) were randomly assigned to view a slideshow of images of ultra thin models or images of nature. Those who viewed the slideshow of ultra thin models rated themselves substantially lower on questionnaires assessing self-esteem and body image. These results suggest that media representations negatively impact self-esteem and body image.

2:00 – 4:00 p.m., WC Oregon Room

**Alex Adams**  
Faculty sponsor: Chehalis Strapp  
Title: Violent Video Games and Their Effect on Aggressive Intent: Realistically Graphic vs. Cartoon Representation  
Abstract: This study suggests that cartoon as well as realistic graphic violence in video games effects aggressive feelings. Thirty college students (20 male, 10 female; M=21.5 years, SD=3.45) in a between subjects design played a realistic graphic, cartoon style or non-violent video game for 15 minutes. Aggressive feelings were then measured through the state hostility scale (Anderson et al., 1995). Higher levels of aggression were observed for both realistic and cartoon groups compared to the control; with higher levels in the realistic graphic category suggesting that “harmless” cartoon violence effects players.

2:00 – 4:00 p.m., WC Oregon Room

**Andrea Barnett and Terri Zenger**  
Faculty sponsor: Eric Cooley  
Title: Discrimination: Race vs. Handicap  
Abstract: This study tested the hypothesis that physical handicapped individuals have a stronger stereotype over race. Thirty-two students from Western Oregon University were given a survey that contained eleven attributes. The participants were presented with separate pictures of African Americans and Caucasians that were blind, in a wheelchair, and had no physical disabilities. The students ranked the level of attributes based on the participants first impressions of the pictures. It was found that physical handicaps had a much higher stereotype over ethnicity. Reverse discrimination was found as the African Americans were viewed more favorably than Caucasians.

2:00 – 4:00 p.m., WC Oregon Room

**Jennifer Hegberg**  
Faculty sponsor: Chehalis Strapp  
Title: The Effects of Attractiveness on Working with Others and Likableness  
Abstract: This research predicted that people are more likely to work with attractive people and find them more likeable than unattractive people. Using a between-subject design, thirty participants (M=20.5 years, SD=1.5) were told they needed a lawyer. Participants were randomly assigned to read a lawyers’ resume. Each resume was identical accept for the photo of the lawyer. Participants read resume and rated the lawyer in terms of attractiveness, likableness, and willingness to hire. Lawyers who were rated as attractive where also rated to be likeable and were hired by participants. Results suggest attractive people are perceived to be cooperative and likeable.
Presentations

8:30 – 9:00 a.m., HS 235
Faculty presenter: Dean Braa
Title: Introduction to Sociology

9:00 – 9:15 a.m., HS 235
Jessica Hayden
Faculty sponsor: Maureen Dolan
Title: Female Sex Workers in Urban Oregon
Abstract: This study looks at the social forces that contribute to female sex work in urban Oregon, including both prostitution and exotic dancing. It includes in-depth interviews with both types of sex workers in the Salem area. The study looks at the backgrounds of the workers including income levels, education levels, and family history. In addition to comparing and contrasting participants in these two groups, the study also focuses on attitudes among male and female college students towards these two types of work.

9:15 – 9:30 a.m., HS 235
Ashley Moody
Faculty sponsor: Dean Braa
Title: Homosexuality and the Media
Abstract: The purpose of this study is to observe how people’s perceptions of homosexuality at Western Oregon University are shaped based on its portrayal through the media, and to find whether or not the student organization they are affiliated with negotiates the message the media is portraying, and if there is an interaction between the media and the groups. I wanted to find out how each group reflected on the experience of the media. The impact on the way people think was measured by whether or not they reject or accept homosexuality based on the way the media portrays it. Participants were chosen by students from the university who are affiliated with a student club or organization on campus.

9:30 – 9:45 a.m., HS 235
Caitlin Redelsperger
Faculty sponsor: Dean Braa
Title: Binge Drinking Among College Students

9:45 – 10:00 a.m., HS 235
Crystal Blevins
Faculty sponsor: Dean Braa
Title: Infidelity in Contemporary Society
Abstract: The focus was to compare infidelity among gender, issues that lead to infidelity, and the outcome with the marriage. In our society, men are often targeted to be the perpetrator. In fact, women have extramarital affairs more often than what is portrayed. Interviews were conducted with heterosexual males and females who have been married and have been involved with infidelity as a ‘victim’ or a ‘perpetrator.’ Results support the theory women commit infidelity equally to men. In my research, all marriages ended.

10:00 – 10:15 a.m., HS 235
Melissa Lalack
Faculty sponsor: Maureen Dolan
Title: Prison Education Programs
Abstract: My topic addresses the issue on whether educational programs in prison benefit the prisoner, and how? I researched teachers of the prison programs, ex-cons who participated in some educational program while incarcerated, and correctional officers on their view of the issue. I have found and predict to find that prison education programs benefit the prisoner in many ways. For example, lowering the chance of recidivating upon release, raising their self awareness, increasing their education level and helping prisoners get jobs upon release.

10:15 – 10:30 a.m., HS 235
Ahtira Rucker
Faculty sponsors: Dean Braa and Maureen Dolan
Title: Sex Education in the Local Community
www.advocatesforyouth.org/IMAGES/bestpolicy.jpg

10:30 – 10:45 a.m., HS 235
Alina Putintsev
Faculty sponsor: Dean Braa
Title: Organized Labor and the Media
Abstract: How do the policies and practices of organized labor play out in the media? This paper addresses this question by looking at the media content of local newspapers in Oregon and evaluating the level of bias within their coverage of union activities. The study found that although there was no obvious bias in reporting, there was a significant attempt to maintain a strictly unbiased tone on the issue of organized labor, even though the amount of coverage devoted to the subject was minimal and differed amongst the various categories studied.
**TEACHER EDUCATION**

**Session chair:** Susan Griffin  
**Session title:** Division of Teacher Education  
**Location:** Education (ED)

### Presentations

**8:45 – 9:00 a.m., ED 217**  
**Weiwei Zhang**  
Faculty sponsors: Denvy Saxowsky and Mary Bucy  
Title: New Concept Chinese  
Abstract: Chinese is considered to be one of the hardest languages to learn. Weiwei will bring some new concepts of Chinese teaching and learning to make the process of language study easy and interesting.

**9:05 – 9:20 a.m., ED 217**  
**Yang Du**  
Faculty sponsors: Denvy Saxowsky and Mary Bucy  
Title: Internet Newsletters for the International Office  
Abstract: Yang has created a website for the International Office to introduce the life, study, and culture of international students to Western students.

**9:25 – 9:40 a.m., ED 217**  
**Zhijing Chen**  
Faculty sponsors: Denvy Saxowsky and Mary Bucy  
Title: Designing Instruction – Chinese Calligraphy  
Abstract: Zhijing designed several pages about calligraphy for adult audiences. He focused on the interface and the organization of the information.

**9:45 – 10:00 a.m., ED 217**  
**Yi Wang**  
Faculty sponsors: Denvy Saxowsky and Mary Bucy  
Title: Database Design  
Abstract: Yi will describe how teachers can use databases to create websites for teaching students. He will focus on collecting and organizing data.

**10:05 – 10:20 a.m., ED 217**  
**Liuyang Wang**  
Faculty sponsor: Denvy Saxowsky and Mary Bucy  
Title: Video Taping the “Big Event”  
Abstract: This presentation will highlight the preparation, camera work and editing of a once-in-a-lifetime event.

**10:20 – 11:40 a.m., ED 217**  
**Ashley Fink**  
Faculty sponsor: Karen Eason  
Title: Poets of the Round Table  
Abstract: Empowering students to publish and celebrate their academic achievements through a comprehensive unit on poetry, which inspired students to coordinate their own success in writing through a student-organized poetry night. Lessons, projects, and student teams helped to make this unit a memorable success.

**10:40 – 11:00 a.m., ED 217**  
**Amy Brannon**  
Faculty sponsor: Linda Cress  
Title: Electricity & Magnetism Unit Work Sample  
Abstract: This Science unit focused on static electricity, types of circuits (how they work and are controlled), and form and function of magnets. The unit was designed to lay a foundation of knowledge for students to reach mastery for their fifth-grade benchmark of the Oregon Standards. It was taught to 24 fourth-grade students and resulted in average learning gains of over thirty-four percent. In designing this unit, many facets of learning were taken into account: student ability levels, content knowledge required for benchmark, student interest, hands-on learning techniques, ways to differentiate instruction, etc., and included activities that addressed all types of learning.
11:05 – 11:30 a.m., ED 217
Josiah Fritz, Jessica Stormberg and Allyson Barrett
Faculty sponsors: Gwenda Rice and Mary Bucy
Title: DVD: A Heart for Any Fate: Connecting Literature & Technology
Abstract: After reading the book *A Heart for Any Fate* by Linda Crew, my group and I created a video representation of the characters and storyline. Using video and i-movie program on the Mac computers we integrated technology with our Social Studies literature. This is an example of how students in a classroom can integrate various technology media within their learning.

4:30 – 4:45 p.m., ED 217
Raquel Lemus
Faculty sponsors: Chloe Myers, Brynn Carter and Sue Thompson
Title: Students’ Teaching (community service learning project)
Abstract: I was very lucky to be able to complete my final work sample in a bilingual community but due to the great need of community support students in my school were able to reach out and teach their siblings, friends, and even parents who are immersing themselves in a new language and culture.

4:50 – 5:05 p.m., ED 217
Bethany Stai
Faculty sponsor: Amanda Smith
Title: Differentiated Instruction in the Classroom
Abstract: During this presentation, I will discuss how a teacher can use differentiated instruction for an entire class of students based on each student’s interests, readiness, and learning style. Differentiated instruction is a way for teachers to help all students reach the same goals, though different students may reach their goals through different approaches. I have examples of how to divide students into groups by readiness, interest, and learning style, and how to modify assignments (based on a unit from *Romeo and Juliet*) for each of these groups. I will use a PowerPoint presentation to share these examples.

5:10 – 5:25 p.m., ED 217
Justin Danek
Faculty sponsor: Amanda Smith
Title: Accelerated Physics Class Profile
Abstract: All good teachers get to know each of their students. How then can a good teacher take that knowledge and apply it to learning in his or her classroom? This project was designed to see how I could gather information about my students and create a curriculum that would meet their needs as learners: both as individuals and as small groups. The presentation will focus on a project that this class recently completed that spanned over a month and allowed each group to learn the physics behind a traditional egg drop experiment and a not so traditional egg drop experiment.

5:30 – 5:45 p.m., ED 217
Natalie Nielson-Lambert
Faculty sponsors: Sue Bauuer and Tracy Smiles
Title: Photographic Journey
Abstract: I created a project for my seventh-grade class this past year. This project was the basis for a yearlong research paper to complete my reading endorsement. My students used the medium of photography to share and celebrate their “home-culture” with each other, parents, and community members. Students represented themselves through photographs and written expression. The project contained several components: an expository paper written on a family tradition, a minimum of five photos, an I am From poem, and a minimum of five photo plates. The entire project culminated in a poster to be displayed during parent-teacher conferences.

5:45 – 6:00 p.m., ED 217
Brent Finkbeiner
Faculty sponsor: Karie Mize
Title: The Alignment of the District and School When it Comes to ELL Programs
Abstract: This presentation is to compare the requirements and recommendations made by Salem-Keizer School District to the program model used at Hoover Elementary. Throughout school districts there are many models in place for bilingual services. We are going to investigate many of these models, and then specifically focus in on the model used by Hoover Elementary.

6:00 – 6:15 p.m., ED 217
Colleen Tenhaeff
Faculty sponsor: Amanda Smith
Title: Class and Student Profiles for Differentiated Instruction and Critical Literacy
Abstract: In our class we were asked to create two student profiles and one class profile, looking at how we can implement critical literacy and differentiation in our classrooms. Profiles were created by looking at the interests, learning styles, and readiness of all students, and then were further added to by designing ways to implement what we had learned in class.
Performances

1:00 – 1:30 p.m., RA 113
Josiah Bania, Lisle Pedersen, Paul Malone, Curtis Glacum, Alec Wilson and Jessica Leep
Faculty sponsor: David Janoviak
Title: Contemporary Audition

Panel discussion / demonstration

3:30 – 4:30 p.m., RA 113
Cast members and creators of Debris Tossed About
Faculty sponsor: Michael Phillips
Title: Creating from the Ground Up: The Creative Process in Debris Tossed About

Exhibit

1:00 – 4:00 p.m., RA Lobby
Rani Lightle
Faculty sponsor: Sandy Hedgepeth
Title: Selected works

1:00 – 4:00 p.m., RA Lobby
Megan Wiltermood
Faculty sponsor: Sandy Hedgepeth
Title: Selected works

1:00 – 4:00 p.m., RA Lobby
Christa Keim
Faculty sponsor: Sandy Hedgepeth
Title: CounterPart

1:00 – 4:00 p.m., RA Lobby
Katelyn Stewart
Faculty sponsor: Sandy Hedgepeth
Title: Selected works

1:00 – 4:00 p.m., RA Lobby
Kylie Johnson
Faculty sponsor: Sandy Hedgepeth
Title: Selected works

Paper and Design Presentations

2:00 – 3:15 p.m., RA 113
Alec Wilson
Faculty sponsor: Michael Phillips
Title: The Dadaist Manifesto

2:00 – 3:15 p.m., RA 113
Lisle Pedersen
Faculty sponsor: Michael Phillips
Title: The Dadaist and Futurist Manifesto

2:00 – 3:15 p.m., RA 113
Gavin Christensen
Faculty sponsor: Michael Phillips
Title: Futurist Scenic Design

2:00 – 3:15 p.m., RA 113
Kylie Johnson
Faculty sponsor: Michael Phillips
Title: 1910 German Costume Design
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Legend: * = faculty sponsor; + = session chair; @ = faculty presenter; # = invited speaker

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