

Western Oregon University
Digital Commons@WOU

Academic Excellence Showcase Proceedings

Student Scholarship

2007-05-31

2007 Academic Excellence Showcase Proceedings

Western Oregon University

Follow this and additional works at: <https://digitalcommons.wou.edu/aes>

Recommended Citation

Western Oregon University, "2007 Academic Excellence Showcase Proceedings" (2007). *Academic Excellence Showcase Proceedings*. 6.
<https://digitalcommons.wou.edu/aes/6>

This Article is brought to you for free and open access by the Student Scholarship at Digital Commons@WOU. It has been accepted for inclusion in Academic Excellence Showcase Proceedings by an authorized administrator of Digital Commons@WOU. For more information, please contact digitalcommons@wou.edu, kundas@mail.wou.edu, bakersc@mail.wou.edu.

WESTERN OREGON
UNIVERSITY
**ACADEMIC
EXCELLENCE
SHOWCASE**
THURSDAY, MAY 31, 2007

**Proceedings of the 2007
Academic Excellence Showcase**

Sponsored by:

**The Honor Society of Phi Kappa Phi
and**

The Program for Undergraduate Research Experiences

**WESTERN OREGON
UNIVERSITY**

TABLE OF CONTENTS

Welcome and Acknowledgements.....	2-3
Campus Map	4
Presentation Schedule Guide	5
Academic Areas	
Anthropology.....	6
Art.....	7
Biology	8
Chemistry	9
Communication Studies	10
Computer Science	11
Dance.....	12
Earth Science.....	13-16
English (Literature, Linguistics, Writing).....	16
Health and Physical Education	16-19
History.....	19-22
Mathematics	23-25
Model United Nations	25
Music.....	25
Philosophy.....	26
Political Science.....	26-27
Psychology.....	27-37
Sociology.....	38-39
Teacher Education	39-40
Theatre.....	41
Index	42-44

WELCOME AND ACKNOWLEDGEMENTS

A message from

Dr. John Minahan

President, Western Oregon University

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.

A message from

Cornelia Paraskevas

President of the Western Oregon University Chapter of the Honor Society of Phi Kappa Phi, co sponsor of the 2007 Academic Excellence Showcase

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.

A message from

Dr. Jem Spectar

Provost, Western Oregon University

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.

A message from

The Program for Undergraduate Research Experiences

Co sponsor of the 2007 Academic Excellence Showcase

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

Alexander, Joel
Allen, Warren
Anderson, Charles
Beaver, Cheryl
Boomer, Sarah
Braa, Dean
Braza, Jerry
Bucy, Mary
Callero, Peter
Cardinal, Marita
Carter, Brynn
Caster, Brian
Cooley, Eric
Courtney, Arlene
Cress, Linda
Daniel, Susan
Dauer, Sue
Dello Stritto, Mary Ellen
Doellinger, David
Dolan, Maureen
Dutton, Bryan
Eason, Karen
Foster, David
Fung, Maria
Griffin, Susan
Guralnick, Lonnie
Harchanko, Joseph
Hautala, Robert
Hedgepeth, Sandy
Helppe, Kevin
Henderson, Jessica
Holmquist, Solveig
Hoobler, Gudrun
Hsieh, Bau Hwa
Janoviak, David
Jensen, Kimberley
Jones, Deborah

Kidd, Kurtis
LeMaster, Michael
Lowe, Benedict
Lowe, Christy
Mayhead, Molly
Mize, Karie
Morse, Scot
Myers, Chloe
Oberst, Sharon
Olson, David
Pedersen, Peggy
Pettenger, Mary
Phillips, Michael
Plec, Emily
Raborn, Jodie
Rand, Tom
Rector, John
Rice, Gwenda
Roscoe, Lauren
Savicki, Vic
Saxowsky, Deny
Shrestha, Uma
Sil, Narasingha
Smiles, Tracy
Smith, Amanda
Smith, Doug
Smith, Robin
Stonecipher, Linda
Strapp, Chehalis
Taylor, Stephen
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 Visuaño
Rob Winningham
Niki Young

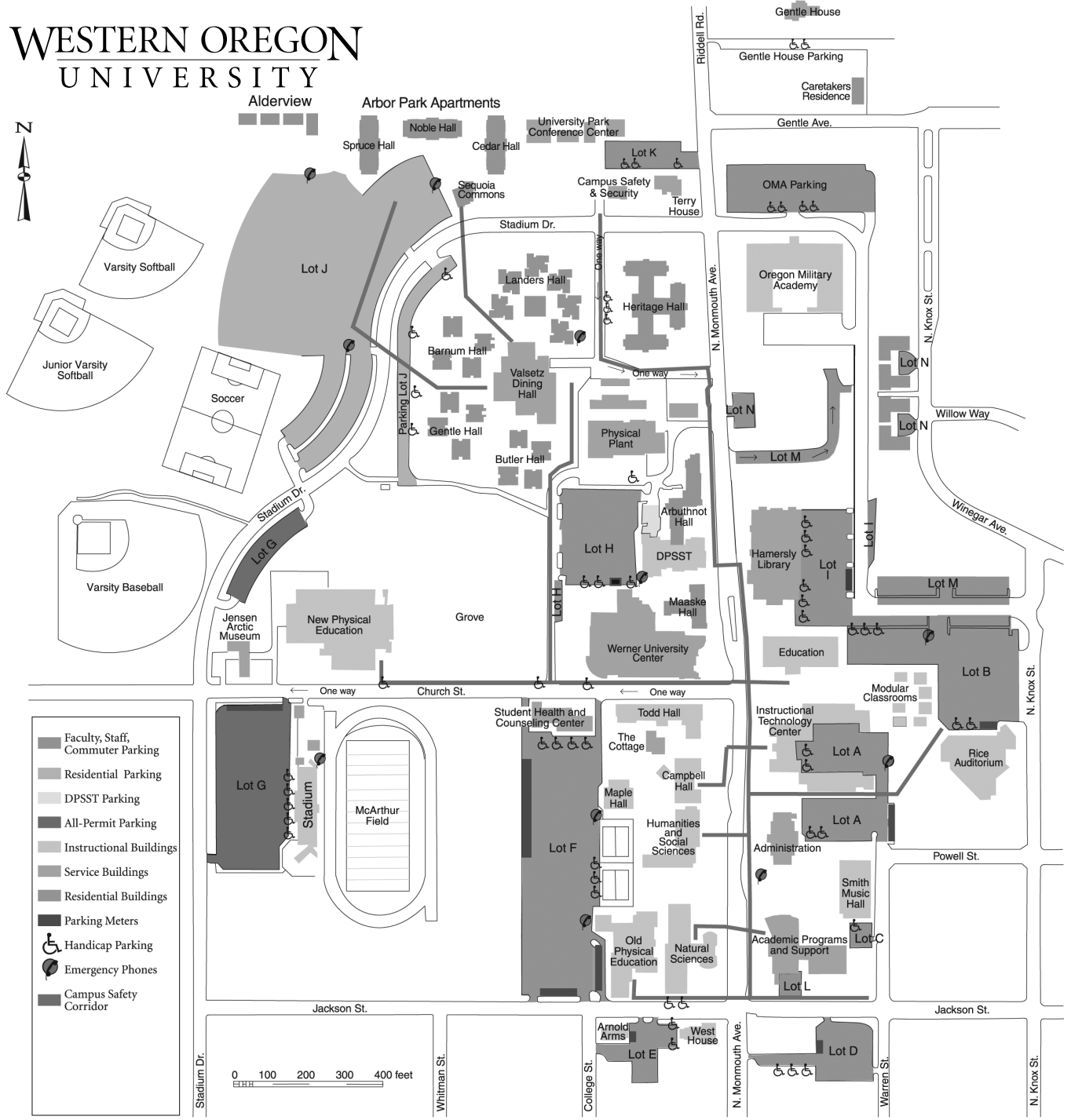
Finally, a special and heartfelt thank you to Ms. Jeanne Deane from her Planning Committee colleagues for her untiring energy, patience and support.

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

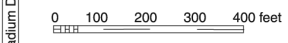
4:00 to 5:00 p.m.

Sponsored by the Provost's Office

WESTERN OREGON UNIVERSITY



- Faculty, Staff, Commuter Parking
- Residential Parking
- DPSST Parking
- All-Permit Parking
- Instructional Buildings
- Service Buildings
- Residential Buildings
- Parking Meters
- Handicap Parking
- Emergency Phones
- Campus Safety Corridor



Building Abbreviations

AA.....Arnold Arms	HE.....Heritage Hall	OP.....Old Physical Education
AD.....Administration	HL.....Hamersly Library	PP.....Physical Plant
AH.....Arbuthnot Hall	HS.....Humanities and Social Sciences	PS.....Public Safety
AP.....Academic Programs and Support Center	IT.....Instructional Technology Center	RA.....Rice Auditorium
AR.....Arbor Park	JM.....Jensen Museum	SM.....Smith Hall
BA.....Barnum Hall	LA.....Landers Hall	SP.....Spruce Hall
BU.....Butler Hall	MH.....Maple Hall	SH.....Student Health Center
CD.....Cedar Hall	MA.....Maaske Hall	TH.....Terry House
CH.....Campbell Hall	MC.....Modular Classrooms	TO.....Todd Hall
CO.....The Cottage	MS.....McArthur Stadium	UP.....University Park Conference Center
ED.....Education	NP.....New Physical Education	VD.....Valsetz Dining Hall
GH.....Gentle House	NS.....Natural Sciences	WC.....Werner University Center
GE.....Gentle Hall	NO.....Noble Hall	WH.....West House
	OM.....Oregon Military Academy	

time	location	CH 101	ED 217	HS 108	HS 235	HS 237	HS 336	IT 211	IT 305	MH	NS 101	NS 103	RA 113	RA lobby	SM 121	VH Jeff	WC Cal	WC Col	WC Ore	WC San	WC Will
8:00																					
8:30																					
9:00																					
9:30																					
10:00																					
10:30																					
11:00																					
11:30																					
12:00																					
12:30																					
1:00																					
1:30																					
2:00																					
2:30																					
3:00																					
3:30																					
4:00																					
4:30																					
5:00																					
5:30																					
6:00																					
6:30																					
7:00																					
7:30																					
8:00																					
8:30																					
9:00																					

ANTHROPOLOGY

Session chair: Doug Smith

Session title: Anthropology Senior Theses

Location: Instructional Technology Center (IT)

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

ART

Session chair: Jodie Raborn

Session title: Professional Concerns Portfolio Presentations

Location: Campbell Hall (CH)

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

BIOLOGY

Session chair: Bryan Dutton

Session title: Biology Symposium

Location: Natural Sciences (NS)

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.

BIOLOGY

Session chair: Michael LeMaster

Session title: Biology Research Posters

Location: Werner University Center (WC)

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. bracteolata* 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 ‰, 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.

CHEMISTRY

Session chair: Arlene Courtney

Session title: Chemistry Capstone Seminars

Location: Natural Sciences (NS)

Presentations

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 an 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

Amyre 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 these devices within Morrison’s Nobel Prize Lecture to stress the importance of language is then examined. 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 metaphoric choices were not accidental. Symbols in the artwork sent messages to stimulate a nation to action to achieve a specific goal.

3:30 – 5:00 p.m., HS 336

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).

3:30 – 5:00 p.m., HS 336

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.

COMPUTER SCIENCE

Session chair: Charles Anderson

Session title: Computer Science Projects and Research

Location: Instructional Technology Center (IT)

Presentations

2:00 – 2:20 p.m., IT 305

Brian Smith, Nicholas Farmer, Scott Kirkland and Vivian Wang

Faculty sponsor: Scot Morse

Title: IT Project Management: Medical Information Services Datacenter Proposal

Abstract: A high availability information services data center is proposed as a core asset of a medical information services company for large scale medical records management. In this hypothetical scenario, formal project management processes are used to specify the project and business requirements. The resulting proposal includes the computing and networking hardware, physical and information security products and procedures as well as software and building infrastructure components needed to meet the business requirements.

2:20 – 2:40 p.m., IT 305

Becka Morgan

Faculty sponsor: David Olson

Title: Goths and Populars – a Logic Game for Adolescents

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.

2:40 – 3:00 p.m., IT 305

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.

DANCE

Session Chairs: Sharon Oberst and Deborah Jones

Session title: Academic Excellence in Dance

Location: Maple Hall (MH)

Performance and presentations

9:00 – 9:15 a.m., Maple Hall

Rebecca Chadd

(Presentation)

Faculty sponsor: Sharon Oberst

Title: A Threefold 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.

EARTH SCIENCE

Session chair: Philip Wade

Session title: Strengthening Scientific Inquiry Skills by
Exploring Our World

Location: Natural Sciences (NS)

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 lSalt. 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.

EARTH SCIENCE

Session chair: Stephen Taylor

Session title: Geographic Information Systems as a Tool for Watershed Analysis

Location: Werner University Center (WC)

Posters

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

Faculty presenter: Stephen Taylor

Title: Geographic Information Systems as a Tool for Watershed Analysis – Session Introduction

Abstract: Geographic Information Systems (GIS) are a set of computer hardware and software tools that link digital maps to relational databases. GIS places land surface information in the context of spatial relationships, and provides a robust means for analyzing and visualizing geologic information. This theme session presents final project compilations of four students who were enrolled in ES492/592 GIS Applications/Earth Science, winter term 2007.

The focus of the class is to learn GIS software techniques, as applied to problems in the Earth sciences. Our focus for the winter 2007 final project was to use ArcGIS software to compile a complete set of spatial information for select watersheds in Western Oregon. Each student was randomly assigned a watershed location, and then asked to compile GIS data from online resources and independent transformation. Map themes included vegetation, bedrock geology, soils, precipitation, roads, cultural features, drainage network, digital orthophotographs (DOQ), scanned topographic maps (DRG), and digital elevation models (DEM). The results of the final projects are presented in this theme session.

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

Ross Waitt

Faculty sponsor: Stephen Taylor

Title: GIS Compilation of the Big Elk Creek Watershed, Lincoln 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 Big Elk Creek Watershed.

The Big Elk Creek Watershed is located primarily in Lincoln County. 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.

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

Pamela Monnette

Faculty sponsor: Stephen Taylor

Title: GIS Compilation of the Gales Creek Watershed, Washington 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 Gale Creek Watershed.

Gale 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 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 watershed has 10 subbasins and contains 17 tributaries. Streams are fed primarily by precipitation. Most streams in the low lying parts of the watershed have been channelized and wetland areas have been drained for agriculture use.

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

Courtney Stowell

Faculty sponsor: Stephen Taylor

Title: GIS Compilation of the North Yamhill Watershed, Yamhill 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 North Yamhill Watershed.

The North Yamhill River watershed consists of 445 miles of waterways and covers 113,441 acres (177 square miles), almost entirely in Yamhill County, Ore. The North Yamhill River starts in the eastern side of the Coast Range, flowing south and east to its convergence with the Yamhill River, just southeast of McMinnville. The Yamhill River then drains into the Willamette River near Dayton. The annual rainfall for this particular watershed ranges from 40 to 120 inches per year.

The General Geology (Bedrock) of 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 (cobble 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.

ENGLISH

Session chairs: Thomas Rand and Uma Shrestha

Session title: English Department Academic Excellence

Showcase

Location: Valsetz Mt. Jefferson Room

Presentations of awards, short student presentations/readings, poster presentations

Please consult separate flyer for more information on this program

HEALTH & PHYSICAL EDUCATION

Session chairs: Brian Caster and Daryl Thomas

Session title: Health, Physical Education and Exercise Science

Symposium

Location: Werner University Center (WC)

Presentations and panel discussions

9:00 – 9:30 a.m., WC Santiam Room

Stephanie Suek, Sandra LaChance, Erin McGanty, Ashley Arnold and Shelby Nickens

Faculty sponsor: Warren Allen

Title: Bioethical Issues and Concerns for Modern Society

Abstract: This panel discussion will examine some of the bioethical issues and concerns in our modern biotechnologically driven and influenced world. Their present utilization within our societies, implications of their further development and use as well as some of the concerns we currently have as individuals and culturally at large.

9:30 – 9:45 a.m., WC Santiam Room

Samantha Angoletta

Faculty sponsor: Daryl Thomas

Title: Does Prayer Have the Power to Heal?

Abstract: Does prayer heal? Should the power of prayer be factored into future medical research? Can the power of prayer be scientifically proven? In recent years, these questions have become a hot topic among health professionals and research regarding the role of prayer and spirituality in healing has increased. Due to the controversial nature of religion and medicine, however, often times research findings on the power of prayer and prayer's affect on healing ill patients is never discussed. This presentation will discuss recent research supporting both sides of this controversial argument.

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 home-schooled 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 Schaefer 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 sub-standard 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.

HEALTH & PHYSICAL EDUCATION

Session chairs: Brian Caster and Daryl Thomas

Session title: Health, Physical Education and Exercise Science

Posters

Location: Werner University Center (WC)

Posters

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

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.

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

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.

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

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.

HISTORY

Session chair: Bau Hwa Hsieh

Session title: History Senior Theses

Location: Werner University Center (WC)

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 at 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 Laughlin

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

Faculty 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

Faculty 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

Faculty 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 – 3:18 p.m., WC Calapooia Room

Faculty presenter: Kimberly Jensen

Title: Introduction of students

3:18 – 3:33 p.m., WC Calapooia Room

Jared Quinones

Faculty 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.

3:33 – 3:48 p.m., WC Calapooia Room

Austin Schulz

Faculty 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

Faculty 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 once in 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.

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: Manipulium

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: Mathematics education

Location: Werner University Center (WC)

Posters

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

Melissa Heideman

Faculty sponsor: Maria Fung

Title: Got Fractions?

Abstract: This lesson involves adding and subtracting fractions with unlike denominators using chocolate pieces and cows as manipulatives. Students get their own set of manipulatives, and have the opportunity to use the Velcro pieces on the poster. Also incorporated into this lesson is *The Hershey Milk Chocolate Fraction Book* by Jerry Pallotta and Rob Bolster.

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.

MATHEMATICS

Session chair: Maria Fung

Session title: Pi Mu Epsilon Induction Ceremony

Location: Werner University Center (WC)

2:00 – 4:00 p.m., WC Willamette Room

Invited Speaker: Eugene Luks

Professor, Department of Computer and Information Science, University of Oregon

Pi Mu Epsilon Induction Ceremony

Title: The 15 Puzzle, 15000-Page Proofs, and Parallel Computation

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 mentioned 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 Oregon Room

Sam Summers

Faculty sponsor: Mary Pettenger

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.

10:15 – 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, $F(2,45) = .562$, $p = n.s.$

PSYCHOLOGY

Session chair: Lauren Roscoe

Session title: Psychology

Location: Werner University Center (WC)

Presentations

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.

PSYCHOLOGY

Session chair: Lauren Roscoe

Session title: Psychology Keynote Speaker, WOUPSA Club

Location: Werner University Center (WC)

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.

PSYCHOLOGY

Session chair: Lauren Roscoe

Session title: Psychology

Location: Werner University Center (WC)

Presentations

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 VanBrocklin 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

Joel T. Simon, Alexis K. Van Brocklin, Erin E. Machan, Nicole M. Clemmer and Laci N. Allstot

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.

PSYCHOLOGY

Session chair: Lauren Roscoe

Session title: Psychology Poster Session

Location: Werner University Center (WC)

Posters

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 design, 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 effect 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 incompleteness 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 work place 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 then at 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.

9:00 – 11:00 a.m., WC Oregon Room

Porsha Crager

Faculty sponsor: Chehalis Strapp

Title: Student’s Perception of Professors with Pets in the Office

Abstract: This research predicted that students would perceive a professor as friendlier with a pet in the office than without a pet. Using a between-subjects design, 50 participants, including 35 females and 15 males (M=20.1 years, SD=2.8) were randomly assigned to view either a picture of a professor’s office with or without a dog in it. Then, participants rated the friendliness of the professor on a scale. Professors with a dog in their office were perceived friendlier than professors without. These results suggest pets influence perceptions of people.

PSYCHOLOGY

Session chair: Lauren Roscoe

Session title: Psychology Poster Session

Location: Werner University Center (WC)

Posters

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.

2:00 – 4:00 p.m., WC Oregon Room

Elisabeth Thomas and Kynzie Dalton

Faculty sponsor: Lauren Roscoe

Title: The Effects of Facial Cosmetics on Female Self-monitoring and Social Anxiety

Abstract: This study examined the correlation between facial cosmetics and levels of self-monitoring and social anxiety in makeup users versus non-makeup users. Thirty-two participants filled out a self-monitoring and social anxiety questionnaire. Participants then completed a graph regarding types and frequency of daily cosmetics use. Results showed that makeup users rated higher on self-monitoring levels and exhibited lower social anxiety levels. Subjects categorized as non-makeup users scored lower self-monitoring, and higher social anxiety levels than makeup users. These results support the hypothesis that cosmetics use may be an indicator of a person's self-belief and presentation of self in social settings.

2:00 – 4:00 p.m., WC Oregon Room

Tracy Crockett

Faculty sponsor: Chehalis Strapp

Title: The Effects of Visual Cues on Physiological Response

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.

2:00 – 4:00 p.m., WC Oregon Room

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.

2:00 – 4:00 p.m., WC Oregon Room

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=21 years, SD=2.1) 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.

2:00 – 4:00 p.m., WC Oregon Room

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.

2:00 – 4:00 p.m., WC Oregon Room

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.

2:00 – 4:00 p.m., WC Oregon Room

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.

2:00 – 4:00 p.m., WC Oregon Room

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 except 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.

SOCIOLOGY

Session chair: Dean Braa

Session title: Scholarship, Pedagogy, and Community Praxis in
Sociology

Location: Humanities and Social Sciences (HS)

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](http://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.

10:45 – 11:00 a.m., HS 235

Faculty-Student Discussion

Faculty sponsors: Sociology Faculty

Title: Open Forum on Student Research

11:00 – 11:30 a.m., HS 235

Faculty presenter: Maureen Dolan

Title: Teaching Sociology in Chile

11:30 a.m. – 12:00 p.m., HS 235

Faculty presenter: Peter Callero

Presentation/Current Research: Uncivil Engagement: Social Capital for Radical Democracy

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 Dauer 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.

THEATRE

Session chair: David Janoviak

Session title: Contemporary Audition

Location: Rice Auditorium (RA)

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

THEATRE

Session chair: Michael Phillips

Session title: Research and Design in the Early 20th century
Theatre History

Location: Rice Auditorium (RA)

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

THEATRE

Session chair: Michael Phillips

Session title: Creating from the Ground Up: The Creative
Process in *Debris Tossed About*

Location: Rice Auditorium (RA)

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

THEATRE

Session chair: Sandy Hedgepeth

Session title: Creating Costumes for the Theatre

Location: Rice Auditorium (RA)

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

INDEX

Legend: * = faculty sponsor; + = session chair; @ = faculty presenter; # = invited speaker

Adams, Alex.....	37	Burrus, Boe.....	17	Dello Stritto, Mary Ellen*.....	27
Alexander, Joel*.....	27, 29	Callero, Peter@.....	39	delos Reyes, Vanessa.....	14
Allen, Warren*.....	16	Cardinal, Marita*.....	17	Demke, Christina.....	9
Allstot, Laci.....	28, 29	Carestia, Kelly.....	13	Dodge, Summer.....	35
Anderson, Charles+.....	11	Carlile, John.....	37	Doellinger, David*@.....	19, 21, 22
Anderson, Stormee.....	18	Carpenter, Claire.....	14	Dolan, Maureen*@.....	38, 39
Angoletta, Samantha.....	16	Carter, Brynn*.....	40	Dougherty, Megan.....	14
Arnold, Ashley.....	16, 28, 32	Case, Heather.....	31	Doyle, Matt.....	25
Banford, Stephanie.....	17	Cassel, Trinity.....	14	Doyle, Nolan.....	20
Bania, Josiah.....	41	Caster, Brian*+.....	16, 17, 19	Drofyak, Lily.....	30
Barlowe, Alethea.....	31	Chadd, Rebecca.....	12	Druliner, Molly.....	7
Barnett, Andrea.....	37	Charlton, Jessica.....	30	Du, Yang.....	39
Barrett, Allyson.....	40	Chen, Zhijing.....	39	Dutton, Bryan*+.....	8
Beach, Keely.....	18	Christensen, Gavin.....	41	Eason, Karen*.....	39
Beach, Mark.....	26	Clark, Katie.....	25	Eck, Leslie.....	25
Beach, Max.....	25	Clemmer, Nicolle.....	28, 30	Ellingson, Lahia.....	22
Beaver, Cheryl*.....	24	Clifton, Kristopher.....	28, 34	Ellis, Andrew.....	7
Bemetz, Ming.....	24	Cline, Amanda.....	8	Evans, Jessica.....	12
Blackburn, Ben.....	28	Collins, Kevin.....	21	Fama, Rosemary.....	23
Blakney, Gerry.....	7	Cooley, Eric*.....	37	Farmer, Nicholas.....	11
Blevins, Crystal.....	38	Costello, Janet.....	18	Fink, Ashley.....	39
Bochsler, Holly.....	23	Cotton, Avery.....	9, 23	Finkbeiner, Brent.....	40
Bolen, Kathy.....	10	Coulter, Venus.....	31	Fitts, Elina.....	7
Boomer, Sarah*.....	8	Courtney, Arlene*+.....	9	Fleener, Erin.....	22
Boucher, Monica.....	34	Crager, Porsha.....	28, 34	Fleisher, Beth.....	6
Bowman, Chelsea.....	12	Crawford, Darcy.....	31	Fleming, Eva.....	17
Braa, Dean*+@.....	38	Cress, Linda*.....	39	Flukinger, Kaleen.....	26
Brack, Ty.....	10	Crocker, Sarah.....	20	Foster, David*.....	28
Brannon, Amy.....	39	Crockett, Tracy.....	18, 36	Foster, Lydia.....	17, 19
Braza, Jerry*.....	18, 19	Cruikshank, Jessica.....	13	Frazier, Patricia.....	32
Breslaw, Noah.....	23	Cummins, Lance.....	25	Fritz, Josiah.....	40
Breyer, Christopher.....	20	Dalisky, Aaron.....	28, 33	Fung, Maria*+.....	23, 24, 25
Brigham, Tricia.....	30, 33	Dalke, Robyn.....	12	Gilbreth, Ashley.....	37
Bruggeman, Jason.....	23	Dalton, Kynzie.....	35	Glacum, Curtis.....	41
Brush, Ryan.....	36	Dane, Justin.....	40	Glass, Alisa.....	28, 33
Buchert, Ashley.....	37	Daniel, Susan*+.....	26	Glickfeld, Hayley.....	12
Bucy, Mary*.....	39, 40	Dauer, Sue*.....	40	Glovinsky, Erin.....	31
Bulliman, Janelle.....	32	DeForrest, Zahuindanda.....	9	Golden, Christy.....	6
Burich, Julie.....	24	DeGroot, Sherry.....	7	Goracke, Mary Ellen.....	18

INDEX

Legend: * = faculty sponsor; + = session chair; @ = faculty presenter; # = invited speaker

Gray, Tiffany.....	14	Keller, Jake.....	7	Melton, Genna	25
Griffin, Susan+.....	39	Kellner, Vicki.....	29	Mendez, Christian.....	7
Guralnick, Lonnie*.....	8	Kem, Eli	21	Miles, Amanda.....	33
Hammond-Williams, Chelsey	12	Kidd, Kurtis*.....	18	Mitchell, Rebecca.....	35
Handley, Derick.....	22	Kirkland, Scott.....	11	Mitchell, Tyler	17
Haner, Mark	21	Kostrba, Haley.....	24	Mize, Karie*.....	40
Hanson, Nana	8	Kragness, Stephanie.....	14	Moch, Melissa	6
Harchanko, Josephh*+.....	25	Kubin, Lindsay	20	Monnette, Pamela	15
Harris, Brandon.....	25	Kuehnel, Danielle.....	6	Moody, Ashley	38
Harruna, Ligali	25	LaChance, Sandra	16, 35	Mooney, Kristin	16
Hautala, Robert*.....	17	Lalack, Melissa.....	38	Moore, Robert.....	19
Hawes, Levi	26	Lange, Karen	23	Morgan, Becka	11
Hayden, Jessica.....	38	Larson, Theresa	14	Morris, Meghan.....	35
Head, Stacey.....	13	Lauglin, Tyler.....	20	Morrison, Francesca.....	21
Hedgepeth, Sandy*+.....	41	Lee, Melissa.....	25	Morse, Scot*	11
Hegberg, Jennifer	37	Leep, Jessica	41	Murray, Aaron	34
Heideman, Melissa	24	LeMaster, Michael+.....	8	Myers, Chloe*	40
Helppie, Kevin*+.....	25	Lemus, Raquel.....	40	Myers, Dylan.....	25
Henderson, Jessica*.....	17, 18	Leslie, Paula	17	Myers, Vickie	14
Henning, Shane	7	Lettow, Shannon.....	30	Nacu, Brian.....	9
Her, Jessie	7	Lightle, Rani.....	41	Neuschwander, Karla	14
Herbert, Connie.....	28, 32	Lindsley, Stephanie	27	Nickens, Shelby	16
Hernandez, Alvaro.....	27	Lockhart, Craig.....	19	Nicolarsen, Eric	28
Hethorn, Kali	36	Lowe, Benedict*@.....	19, 20	Nielson-Lambert, Natalie.....	40
Hobbs, Samuel.....	12	Lowe, Christy@.....	19	Ninneman, Arianna	7
Hofferber, Jessica	34	Luks, Eugene#.....	25	Noll, Katherine	8
Holmquist, Solveig*+@.....	25	Machan, Erin.....	28, 30	Oberst, Sharon*+	12
Hsieh, Bau Hwa*+@.....	19, 20	Maddox, Laura	10, 25	Olson, David*.....	11
Jackson, Shantya.....	34	Malone, Paul	41	O'Neill, Jesse	25
Jacque, Brian	21	Mangan, Peggy.....	31	Orr, Jana	14
James, Josh.....	11	Mapes, Randi	14	Palke, Darrel.....	11, 23
Janoviak, David*+	41	Mathews, Phil	28	Pallister, Andrea	36
Jensen, Kimberley*@.....	22	May, Gary	11	Pardue, Kimberly	14, 24
Jerkins, Malia	12	Mayhead, Molly*+	10	Patterson, Sherry	7
Johnson, Kylie.....	41	McCammon, Tammy	27	Pedersen, Lisle.....	41
Jones, Deborah*+.....	12	McCoy, Meghann	23	Pedersen, Peggy*.....	19
Jones, Karri.....	13	McDonnell, Deborah	26	Peterson, Kelly	21
Juergensen, Nicole	6	McGanty, Erin	16	Pettenger, Mary*+	25, 26, 27
Keim, Christa	41	McNeill, David	23	Phelps, Ambyre	10

INDEX

Legend: * = faculty sponsor; + = session chair; @ = faculty presenter; # = invited speaker

Phillips, Michael*+	41	Sires, Janelle	13	Toombs, Ellie	7
Pickette, Andrew	24	Smiles, Tracy*	40	Traylor, Katherine	13
Plec, Emily*+	10, 11	Smith, Amanda*	40	Trinh, Tina	36
Plypick, Taryn	17	Smith, Brian	11	Upshaw, Stephanie	18
Putintsev, Alina	38	Smith, Doug*+	6	VanBrocklin, Alexis	28, 29
Quinones, Jared	22	Smith, Joe	7	Vandervelden, Alicia	18
Raborn, Jodie*+	7	Smith, Madeline	12	Wade, Philip*+	13, 14
Ramirez, Susi	13	Smith, Robin*	6	Waitt, Ross	15
Rand, Tom+	16	Snelling, Karissa	13	Walker, Amber	29
Rector, John*@	21	Soules, Laura	6	Wang, Liuyang	39
Redelsperger, Caitlin	38	Sprague, Brian	20	Wang, Vivian	11
Reimers, April	7	Sprinkle, Daniel	6	Wang, Yi	39
Rhoades, Jeff	28	Stai, Bethany	40	Ward, Mike*	23, 24
Rice, Gwenda*	40	Stevens, Daniela	28, 29	Wegner, Lindsay	18
Rivers, Michael	24	Stewart, Fallon	18	Wells, Kaylon	9
Roach, Casey	26, 32	Stewart, Katelyn	41	Wilczek, Emily	27, 28
Roscoe, Lauren*+	27, 28, 29, 34, 35	Stewart, Lauren	13	Wiltermood, Megan	41
Rowe, Amanda	7	Still, Ryan	9	Williams, Stephanie	29
Rucker, Ahtira	38	Stoller, Wesley	28, 32	Wilson, Alec	41
Rudometkin, Rachel	12	Stonecipher, Linda*	17	Winningham, Rob*	29
Ryan, Anna	18	Stormberg, Jessica	40	Wyffels, Vanessa	23
Savicki, Vic*	28	Stowell, Courtney	15, 23	Young, Angie	17
Sawyer, Jeff	25	Strapp, Chehalis*	28 – 37	Zenger, Terri	37
Saxowsky, Deny*	39	Strauser, Elizabeth	35	Zhang, Weiwei	39
Schaefer, Molly	18	Suek, Stephanie	16, 18		
Schloeman, Keith	23	Sullivan, Shannon	13		
Schonert, Allison	13	Summers, Sam	21, 27		
Schuening, Sarah	36	Sumner, Jennifer	28, 36		
Schulz, Austin	22	Szabo, Sarah	33		
Self, Shelby	18	Talbott, Shannon	19		
Setvin, Trevor	11	Taylor, Stephen*+@	8, 15, 16		
Shaw, Vincent	20, 27	Tenhaeff, Colleen	40		
Shockman, Sara	33	Thomas, Daryl*+	16, 18, 19		
Shrestha, Uma+	16	Thomas, Elisabeth	19, 35		
Sigl, Jennifer	7	Thomas, Olivia	25		
Sil, Narasingha*@	20, 21	Thompson, Kathryn*	28		
Silbernagel, Rose	28	Thompson, Sue*	40		
Simon, Joel	28	Todorov, Todor Ivanov	11		
Sims, Alex	28, 30	Tompkins, Tanya#	28		