SCHEDULE OF EVENTS

UNIVERSITY OF PORTLAND FOUNDERS DAY

TUESDAY, APRIL 17, 2012
### Presentations
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### Poster Sessions
Students will be by their posters in the noted poster presentation session, but the posters will remain up all day.

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There will be a *Writers Magazine* launch party in the campus bookstore at 7 p.m.
SESSION I  10:15 – 11:05 A.M.

College of Arts and Sciences
Biology
Buckley Center 314

“Developing Serum-Free Conditions for Active Wnt Signaling Protein Secretion: Analysis of Wnt-Stabilizing Component in Ex-Cyte Lipid Supplementation.”
Presented by: Edward Maldonado
Faculty Sponsor: Jeff Brown

“Investigation into the Etiology of a Lysosomal Storage Disorder through mRNA Isolation and RT-PCR of GM1-Affected and Normal Ovine Beta-Galactosidase.”
Presented by: Bethany McInturff
Faculty Sponsor: Ami Ahern-Rindell

“A Summary of Anthopleura Anemones and Areas of Future Research.”
Presented by: Kate Huber
Faculty Sponsor: Tara Maginnis

College of Arts and Sciences
English
Franz Hall 206

“Of Apples and Oranges: Reimagining Eve in Anne Sexton’s Female Postmodern Sublime.”
Presented by: Jessie Hethcoat
Faculty Sponsor: John Orr

“Walking and Talking: Anne’s Journey to Discourse in Jane Austen’s ‘Persuasion.’”
Presented by: Joyce King
Faculty Sponsor: Sarah Weiger

“Reframing Virtue, Reclaiming Voice: Eliza Haywood and the Rise of the Female Novelist in 18th Century Britain.”
Presented by: Moonwalker Williams
Faculty Sponsor: Herman Asarnow

College of Arts and Sciences
Environmental Science
Franz Hall 214

“Earth’s Ancient Elemental Forces for Tomorrow’s Sustainable Energy—Concerning Geothermal and Wave Potential.”
Geothermal energy and wave energy are two forms of renewable power that are being developed in the Northwest, and which have enormous potential. Come to hear about the exciting developments in both of these areas.
Presented by: Madie Padon, Abigail Entrican, Matt Conti, Mike Navarrete, Rachel Simms, Charles Steele, Dan Eardley, Hailey Knettles, Mike Pacholac, and Taylor Rudow
Faculty Sponsor: Steven Kolmes and Russell Butkus

College of Arts and Sciences
International Language and Cultures
Franz Hall 222

“Using International Languages in the Greater Portland Community.”
Presented by: Niki Bothman (Spanish), Kevin Hershey (Spanish), Bianca McCluskey (German), and Holly Duffy (German)
Faculty Sponsor: Alexandra Hill

College of Arts and Sciences
Mathematics
Franz Hall 217

Presented by: Jason Hortsch
Faculty Sponsor: Craig Swinyard

“Mathematical Modeling of Integrin Dynamics in Cell Movement.”
Through the development of a mathematical model the presenters investigated the dynamic relationship between integrins and both extracellular and intracellular signals. The presenters will describe their method of stochastic simulation of integrin dynamics as well as discuss their numerical results from Matlab and COPASI.
Presented by: Aurora Blucher
Faculty Sponsor: Hannah Callender
SESSION I  10:15 – 11:05 A.M.

College of Arts and Sciences  Psychology
Franz Hall 223

"The Relationship Between Sleep and the Induction of False Memories."
Past studies have shown that pre-existing memories are subject to change, known as false memories. Additionally, the literature shows that sleep plays a key role in the encoding of new memories. The current study focused upon the intersection of these two variables and investigated the relationship between the amount of sleep a subject obtained and the probability that a false memory was created.
Presented by: Frank Deryck
Faculty Sponsor: Mark Pitzer

College of Arts and Sciences  Social Work
Franz Hall 231

"Aging Welfare Recipients: Maintaining Psychological Health Using Self-Regulation."
This randomized study explored the effectiveness of self-regulation techniques for promoting psychological health in older adults who receive welfare services. Pre-test and post-test comparisons within and between groups were made with regard to self-esteem, self-efficacy, optimism, and happiness. Findings of the study and implications of goal setting for health in the elderly will be discussed.
Presented by: Katherine Lafrenz
Faculty Sponsor: Kevin Jones and Deana Julka

"An Argument for the Inclusion of Immigrants in Health Care Reform."
When and where can vulnerable documented and undocumented immigrants access health care? A brief overview of current health care options for immigrants will be discussed. Implications for immigrant access and "deservingness" under current social policies will be considered. The author will present an argument for extending health care to documented and undocumented immigrants.
Presented by: Kylie Pybus
Faculty Sponsor: Kevin Jones and Deana Julka

"Cuentos Sin Fronteras (Stories Without Borders)."
This project highlights the lives and struggles of Latino/a immigrants in Oregon through qualitative data collection and secondary analysis of the literature. The authors focus on coercive assimilation of immigrants throughout U.S. history and analyze the definition of success in U.S. culture through the lens of current immigration issues.
Presented by: Lupita Ruiz and Kevin Hershey
Faculty Sponsor: Alice Gates

College of Arts and Sciences  Theology
Franz Hall 015

"If the Lord Hears the Cry of the Poor, Why Can't the 1%?"
This presentation will look at how the 8th century Hebrew prophets responded to the economic injustice of their time, and then ask how this response might relate to the Occupy Movement’s message in today’s tense economic climate.
Presented by: Zach Imfeld
Faculty Sponsor: Carol Dempsey and René Sanchez

Pamplin School of Business
Franz Hall 026

"The University of Portland Investment Association (UPIA)."
Presenters will be covering the following points during our presentation: (1) Overview of the club; (2) Trips/ conferences that UPIA members attend; (3) Portfolio performance; (4) Philanthropy; (5) Q & A.
Presented by: Ariana Sewell and Jarrett Trtek
Faculty Sponsor: Brian Adams
SESSION I  10:15 – 11:05 A.M.

Pamplin School of Business
Franz Hall 006

“Saving Netflix?!”
Netflix is a home video entertainment company. Its current public relations downfall has led a loss of thousands of subscribers. In order to regain their leading position, Netflix must introduce a new service plan to address both customer satisfaction as well as increase their competitive advantage.
Presented by: Ruth Croft, Sandra Jeffries, David Kato, and Irene Niedo
Faculty Sponsor: Sam Holloway

School of Education
Franz Hall 005

“Music Matters!”
Presented by: Douglas Orofino, Breighley Sexton, and Geoff McVie
Faculty Sponsor: Patricia Morrell

“Manipulating Math.”
Presented by: Marie Fraser, Brian Walsh, Katie Hansen, Derek Duman, and Erin Flotte
Faculty Sponsor: Patricia Morrell

School of Engineering
Shiley Hall 319

“Emergency Autonomous Landing Quadricopter.”
Two computer science students and an electrical engineering student built a flying four-rotor helicopter that will, in the event of loss of communication with the transmitter, autonomously land. This project involves the use of Arduino, an ultrasonic sensor, and AeroQuad firmware.
Presented by: Jace Raile, Ben Walker, and Chip Wood
Faculty Sponsor: Wayne Lu and Tammy VanDeGrift

“University of Portland’s Concrete Canoe.”
Every year the American Society of Civil Engineers selects a school to host a concrete canoe competition, where students from colleges in the surrounding area race and display canoes they have built during the year. This presentation will provide an overview of the University of Portland’s Concrete Canoe, including the design, construction, and cost of the canoe, as well as the lessons learned.
Presented by: Jennifer Brannan, Billy Gibbs, Kevin Kelly, John Megrditchian, Steven O’Dowd, and Caleb Patterson
Faculty Sponsor: Mark Kennedy

School of Engineering
Shiley Hall 301

“Swindells Hall Energy Audit – Team Synergetics.”
A full scale energy audit comprises of studying a building’s energy consuming systems, collecting long term usage data, analysis of building energy use, and proposing solutions to reduce energy consumption and increase efficiency. Upon completion, the Swindells Hall presented the University of Portland with a business case supporting various changes to the buildings systems.
Presented by: Tulley Craig, Andy Moore, Nick Etheredge, and Sean Thomas
Faculty Sponsor: Steven O’Halloran
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**School of Engineering**  
Shiley Hall 301

**“CoolBody: Enhanced Body Cooling Using Evaporative and Heat Transfer Technologies.”**

Team CoolBody has developed an athletic shirt as well as a core temperature display. The CoolBody shirt decreases core temperature by using the body's natural heat to evaporate water absorbed in gel. The presentation will discuss multiple sclerosis, heat rash, and athletic applications, development of the athletic shirt and temperature display, future improvements, financials, and marketing.

Presented by: Gregory Kachmarik, Cassie Kuwahara, Jacob Lampe, Zachary McMullen, and Aaron Morris  
Faculty Sponsor: Steven O'Halloran

| School of Nursing | Buckley Center Auditorium |

**“University of Portland Robotics Team.”**

An overview of the design, construction, and testing of an autonomous robotic device for this year's NASA Lunabotics Mining Competition.

Presented by: Laura Coulter, Andrew Lynch, Kamden McHenry, Kyle Oberst, Brian Schimschok, and Timothy Vanderwerf  
Faculty Sponsor: Khalid Khan

**“Making A Difference Through Advocacy and Public Policy.”**

Nursing students attended the 2012 AACN Student Policy Summit. This presentation ties together the threads of advocacy, nursing theory, and engagement in the political process as it relates to further development and funding of nursing education. Presenters will share information about the AACN platform; involvement in the political process; provide concrete action steps for a systemic change.

Presented by: Jenny Carson, Anayeli Franco, Christine Schwaeber, David Neves, and Alissa White  
Faculty Sponsor: Diane Vines

**“Poverty Simulation: An Effective Learning Tool?”**

This presentation will describe the recent poverty simulation conducted by the UPSNA and the Moreau Center for UP sophomore nursing students. Presenters surveyed the participants on their attitudes toward poverty and the poor before and after the simulation. The presenters will provide background information about poverty and describe the findings from the attitude surveys.

Presented by: Julie Sweet, Gregg Raybourn, and Allison Ramsay  
Faculty Sponsor: Diane Vines

**“Nursing Need in Transitional Housing.”**

This presentation will describe the process used by population nursing students in surveying the need for nursing services in transitional housing units operated by Transitional Projects Inc. (TPI). Evidence from journal articles and interviews with transitionally housed homeless people demonstrated that employing a registered nurse in TPI locations would reduce visits to the emergency rooms.

Presented by: Ana David, Sherri Bowyer, Tammy Kruegel, and Birgit Langmann  
Faculty Sponsor: Diane Vines
SESSION II  11:15 A.M. – 12:05 P.M.

College of Arts and Sciences
Biology
Buckley Center 314

"Varying Levels of Aggression among Three Intertidal Crabs: Pachygrapsus, crassipes, Hemigrapsus oregonensis, and H. nudus."
Presented by: Masis Iskilbay and Spencer Degerstedt
Faculty Sponsor: Tara Maginnis

"The Effect of the Chemical Chaperone Galactose on Beta-Galactosidase Activity in Ovine GM1-Gangliosidosis."
Presented by: Megan Supinski
Faculty Sponsor: Ami Ahern-Rindell

College of Arts and Sciences
Chemistry
Franz Hall 034

"The Search for Allelopathic Compounds in Dysphania Ambrosioides: Using HPLC Analysis as a Primary Means of Natural Product Isolation."
The primary goal of this study was method development for separation of Dysphania extracts and the subsequent collection and characterization of active compounds using only HPLC. We show very efficient and easy to track separation of metabolites using this method.
Presented by: Wyatt Olson
Faculty Sponsor: Angela Hoffman

"Molecular Photophysics of Phosphorescent Dyes."
An investigation of the triplet state lifetimes of various dyes.
Presented by: Beth Krautschied
Faculty Sponsor: Steven Mayer

College of Arts and Sciences
English
Franz Hall 206

"Silence as an Intentional Device: The Treatment and Presentation of the Indians in Mary Rowlandson’s Captivity Narrative."
Presented by: Bri Bobiak
Faculty Sponsor: John Orr

"Slavery’s Shift from Economics to Racism: Otherness created in Early America in Toni Morrison’s ‘Beloved’ and ‘A Mercy.’"
Presented by: Kelsey Kiser
Faculty Sponsor: Molly Hiro

"Sex, Love, and Nationality: Roddy Doyle’s rewriting of Yeats’ ‘Cathleen ni Houlihan.’"
Presented by: Sarah Moran
Faculty Sponsor: Genevieve Brassard

College of Arts and Sciences
Environmental Science
Franz Hall 214

"Energy Conservation in Rural and Urban Environments."
Alongside alternative energy sources, dramatic improvement in energy conservation holds the key to a sustainable future. This presentation will investigate methods to conservation as they apply to both rural and urban geographies, focusing specifically on agriculture, off-the-grid living, smart-growth and land-use planning.
Marlia Cha, Mia Hart, Katie Griffith, and Andrew Wuertzer
Faculty Sponsor: Steven Kolmes and Russell Butkus

College of Arts and Sciences
History
Franz Hall 231

"World War I: Verdun—The Fall of Fort Douaumont."
Presented by: Eleanor Johnson
Faculty Sponsor: Elise Moentmann

"African American Soldiers in World War I."
Presented by: Grant Powell
Faculty Sponsor: Elise Moentmann
SESSION II  11:15 A.M. – 12:05 P.M.

College of Arts and Sciences  
History  
Franz Hall 231

"Outsiders Looking In: Irish American Reaction to World War I."
Presented by: Marie Gerdtz  
Faculty Sponsor: Elise Moentmann

College of Arts and Sciences  
Mathematics  
Franz Hall 217

"Mathematical Logic, Completeness, and Compactness."
The presenter will offer a heuristic overview of the Completeness and Compactness Theorems, with an eye towards their ramifications for systems of first-order logic. After introducing the notions of syntax and semantics via the idea of a formal language, the presenter will describe the Completeness and Compactness Theorems together with their implications for proof theory and possible models.
Presented by: Alec Jones  
Faculty Sponsor: Charles McCoy

College of Arts and Sciences  
Performing and Fine Arts  
Mago Hunt Recital Hall

"Music Department Honors Recital."
Musical performances by outstanding juniors and seniors.
Presented by: Breighley Sexton, Y Hoang, Mary Kiely, Doug Orofino, and Brenna Stacy  
Faculty Sponsor: David De Lyser

College of Arts and Sciences  
Philosophy  
Franz Hall 026

"Liebniz’s Account of Free Will."
This capstone interprets Leibniz as a compatibilist about free will, as applied to both God and human beings.
Presented by: Danielle Nelson  
Faculty Sponsor: Jim Baillie

"Conceptions of the Self."
This capstone paper argues for a "minimal" essentialism as the groundwork that accounts for how we develop a robust sense of self.
Presented by: Madelyn Findlay  
Faculty Sponsor: Caery Evangelist

College of Arts and Sciences  
Physics  
Franz Hall 015

"Spin Valves and Magnetic Tunnel Junctions."
Presented by: Kurt Iversen  
Faculty Sponsor: Matthew Pufall and Ranko Heindl

"Infrared Spectroscopy of Metallic Nanoparticles."
Presented by: Melanie Pierce  
Faculty Sponsor: Oz Bonfim

Pamplin School of Business  
Franz Hall 223

"KPMG Case Competition - Weyerhauser Stock Options and Stock Appreciation Rights."
Four students represented the University of Portland at the KPMG Case Competition in Seattle, Washington. Specifically, the students considered how to report executive compensation related to stock options and stock appreciation rights. These students placed second in the competition, an incredible achievement considering that many teams were comprised of graduate students.
Presented by: Ariana Sewell, Chris O’Dell, Zach Williams, and Kellen Baston  
Faculty Sponsor: School of Business
### SESSION II 11:15 A.M. – 12:05 P.M.

| Pamplin School of Business | “Campus Prime: Amazon’s Answer to College Students’ Woes.”
|----------------------------| Campus Prime is an academic spin-off of Amazon Prime, an existing program that utilizes Amazon’s competitive advantages in product bundling, and digital distribution channels to deliver quick and reliable digital services to its customers. In providing similar service to students at an affordable price, Amazon capitalizes on a market opportunity while simultaneously increasing visibility. Presented by: Kelsey Tuttle  
Faculty Sponsor: Sam Holloway |
|----------------------------| “Hands Free Sheet Music.”
| School of Engineering       | Hands-Free Sheet Music is an Android tablet app to enable musicians to flip page music using a peripheral foot pedal. The app will include the option of creating “sets” that will allow the user to sequentially transition from piece to piece. Presented by: Chelsea Colvin, Cori Goya, and Andrew Tanasse  
Faculty Sponsor: Tanya Crenshaw |
| Shiley Hall 101             | “AdviseUP: School of Engineering Advising Web Application.”
| School of Engineering       | Advising at the University of Portland is a process that consumes considerable time for both advisors and advisees. An ideal solution would be a universal method of advising that streamlines the process and makes information readily available to advisees. AdviseUP, a web-based application that assists advisors and advisees in the development of academic plans, was developed for this purpose. Presented by: Sam Burich, Kapua Chandler, and Chris Lewis  
Faculty Sponsor: Tammy VanDeGrift |
| Shiley Hall 301             | “BlueMAC: Real Time Traffic Monitor Using Bluetooth Enabled Vehicles and Personal Devices.”
| School of Engineering       | Microcontroller based project which updates an existing commercial device. The device anonymously collects MAC addresses from passing Bluetooth enabled cars to use as ID tags. Data from multiple installation locations is used to calculate traffic statistics, such as average travel time between two points and traffic density. Device contains a GPS antenna, a Bluetooth antenna, and an Ethernet chip. Presented by: Jeremy McCarroll, Adrian Gorman, and Ian Burns  
Faculty Sponsor: Wayne Lu and Stephen Vegdahl |
| School of Engineering       | “Anatomically Designed Femoral Component for Young and Active Patients Undergoing a Total Knee Replacement.”
|----------------------------| This femoral component is designed to more closely mimic the weight of the natural knee while still maintaining the necessary structural integrity following a total knee replacement. The reduction in weight as well as many other factors leads to a longer life of the implant, making it ideal for young and active patients. Presented by: Amy Flora, Shawn Ell, Jared Johnston, and Mario Marchitto  
Faculty Sponsor: Deborah Schenberger |
| Shiley Hall 301             | “Fusion Science.”
| School of Engineering       | Spinal fusion is annually a multi-billion dollar industry; however, evaluation methodology for bony fusion is underdeveloped and relies on subjective assessment by fusion surgeons. This presentation will explore a new, innovative method to evaluate bony fusion and the work supporting this novel endeavor. Presented by: Sacha Hall, Mindy King, and Antonio DeVilbiss  
Faculty Sponsor: Deborah Schenberger |
| School of Engineering  | “Spinal Fusion Data Collection System.”
| Shiley Hall 301       | A data collection system to amplify and collect data from a strain gage and output to a computer for analysis. This device will be used for our client's study correlating strain with bone growth.
|                       | Presented by: Trever Hickey, Kelcey Lajoie, Ashley Martin, and Caroline Nakaye
|                       | Faculty Sponsor: Robert Albright
| School of Engineering  | “Project Dynamite, a Survival Game for Android Smartphones.”
| Shiley Hall 319       | Team Untraceable has developed a game for Android phones for their senior design project. It is a two dimensional real-time survival game, where the goal is to use firearms and other items to hold off zombies and survive as long as possible. The team will demo the game, as well as discuss the process behind designing and implementing the project.
|                       | Presented by: James Ailes, Muhammad Alraddadi, and Kai Jorgensen
|                       | Faculty Sponsor: Andrew Nuxoll
| School of Nursing     | “FloChair – A Mobility Solution for the Unilaterally Disabled.”
| Buckley Center Auditorium | A look at the business opportunity to develop a chair for amputees, stroke patients and others that does what crutches, prosthetics and wheelchairs can’t – provide unrestricted mobility.
|                       | Presented by: Alistair Rokstad, ReZina TecleMariam, Tina Schicchi, and Chris Davis
|                       | Faculty Sponsor: Karen Ward
|                      | “WiFi Clock.”
|                      | This WiFi Clock updates itself wirelessly by running the Network Time Protocol. Using a WiFi module, a PIC32 microcontroller, and an LCD display, this clock should never have to be adjusted by the user. It can run from a battery or DC power source.
|                      | Presented by: Kirby Wigton, Rosemary Peters, Joseph Haggberg, and Nate Perkins
|                      | Faculty Sponsor: Aziz Inan
| School of Nursing     | “Healthcare in Rural Ghana.”
| Buckley Center Auditorium | This presentation will describe the experience and lessons learned by Nursing students working as volunteers with the Ghana Health Service; including photographs and descriptions of the clinic where the students worked, with a special focus on maternity, labor and delivery. They will highlight the healthcare challenges unique to that environment and how they differ from the challenges in the U.S.
|                       | Presented by: Kirstyn Rossman, Christopher Lepanto, and Wendy Herrick
|                       | Faculty Sponsor: Diane Vines
|                      | “Children of Prostituted Mothers.”
|                      | The purpose of this presentation is to report on a descriptive study in which the students participated; the study identified health concerns and needs, as well as the living conditions, of infants and children whose mothers are currently involved in or have a history of involvement in human trafficking. The students will present preliminary analysis of this ongoing study.
|                      | Presented by: Sara Bubar and Kathryn Marsh
|                      | Faculty Sponsor: Diane Vines
SESSION III  2:15 – 3:05 P.M.

Center for Entrepreneurship  Franz Hall 206

"Elevator Pitch Competition."
This event is open to all UP students to compete in or to attend. Participants will have one and a half minutes (90 seconds) to give their "elevator pitch" describing their business idea and opportunity. Others are welcome to attend and vote for the winners. There will be prizes for the top finishers as determined by a vote of the audience. To participate please email ecenter@up.edu.
Presented by: Students
Faculty Sponsor: Jon Down

College of Arts and Sciences  Biology  Franz Hall 223

"Determination of Wnt-Frizzled Binding Affinities Using Surface Plasmon Resonance."
Presented by: Masis Isikbay
Faculty Sponsor: Jeff Brown

"The Effect of Maternal High-Fat Diet Consumption on Maternal and Offspring Behavior."
Presented by: Katie Chamlou and Libby Nousen
Faculty Sponsor: Elinor Sullivan

College of Arts and Sciences  History  Franz Hall 231

"The Jew, the Papist, and the Infidel: The Role of Anti-Catholic and Anti-Muslim Rhetoric in the Readmission of the Jews to England."
Presented by: Whitney Simpson
Faculty Sponsor: Elise Moentmann

Presented by: Geoffrey Kiernan
Faculty Sponsor: Elise Moentmann

"Shifting Waters in the Klamath Basin: Conservation Strategies in the Lower Klamath National Wildlife Refuge, 1900-1930."
Presented by: Rebecca Otto
Faculty Sponsor: Elise Moentmann

College of Arts and Sciences  Philosophy  Franz Hall 214

"A Critique of Hegel in Light of Karl Rahner, SJ."
In this capstone project, the author will explore a critique of Hegel's dialectic process based on Karl Rahner's interpretation of Spirit in the natural world.
Presented by: Mary Kiely
Faculty Sponsor: Michael Andrews

"A Marxist Critique of Libertarianism."
Presented by: Joseph Starzl
Faculty Sponsor: Richard Askay

"The Ethics of Human Cloning."
This paper examines whether human cloning is ethical and whether it is permissible. It examines this issue from several prominent ethical principles, such as justice, autonomy, utility, and beneficence.
Presented by: Marc Buker
Faculty Sponsor: Thom Faller
SESSION III 2:15 – 3:05 P.M.

College of Arts and Sciences
Political Science
Franz Hall 034

"Alexander Hamilton's Foreign Policy and its Influence on American Imperialism."
Presented by: Alex Grimaldi
Faculty Sponsor: Gary Malecha

"The Internet and the Law."
Presented by: Alex Risinger
Faculty Sponsor: William M. Curtis

College of Arts and Sciences
Theology
Franz Hall 026

"A Catholic Moral Examination of the U.S. Visa Policy."
This presentation will be an exploration of the U.S. Visa Policy using the triangle method of Catholic moral reasoning, which employs the resources of scripture, Tradition, and praxis. By fusing the biblical world with our own, examining official Church documents, and exploring the praxis of relevant peoples in the issue of visa policy, an informed moral decision can be made.
Presented by: Sean Kendrick
Faculty Sponsor: Carol Dempsey and René Sanchez

School of Education
Franz Hall 015

"Dewey or Don't We?"
Experience John Dewey's educational philosophy. Dewey is the father of experiential and democratic education and has had an enormous impact on modern educational theory. This conversation will introduce Dewey's framework and allow participants to evaluate their own educational experiences. All who are interested in education are welcome to attend and will leave, asking: "So, Dewey, or don't we?"
Presented by: Sarah Moran, Kati McConn, Margaret Betts, Hayley Brands, Nicole Cross, and Daniel Boettcher
Faculty Sponsor: Peter Thacker

School of Engineering
Shiley Hall 301

"Nike Traction."
The Nike Traction group team worked in conjunction with the Nike Soccer Category. The objective of the project was to design and engineer a soccer plate to promote increased speed and agility of a soccer player. The team designed, prototyped, and performed comparative static testing on the plate. The team used prior engineering and soccer knowledge along with research.
Presented by: Matt Haly, Cory Schmidt, and Wil Sixour
Faculty Sponsor: Timothy Doughty

"Baja SAE."
The Baja SAE project entails the design, fabrication, and racing of an off-road vehicle. The Society of Automotive Engineers holds an annual competition in which teams compete based on vehicle performance, design, and cost.
Presented by: Brett Bowers
Faculty Sponsor: Deborah Schenberger

"Personal Kinetic Energy Harvesting."
Kinetic Energy Harvest will display a consumer product developed specifically for passive energy collection. Additionally the group will illustrate their solution for tapping into the collected energy. Content will include project ideation, archetype production, and analytical analyses; the main subjects associated with this project include magnetics, vibrations, and biomechanics.
Presented by: Ailrick Holy, Connor Barbaree, and Dallas Lund
Faculty Sponsor: Kenneth Lulay
SESSION III  2:15 – 3:05 P.M.

School of Engineering
Shiley Hall 319

"WindAid – Implementing Engineering and Sustainability in a Developing Community."
This talk summarizes the experience the presenter had building and installing wind turbines in rural Peru.
Presented by: Ellen Webster
Faculty Sponsor: Mark Kennedy

"Hydroelectric Turbine Powered by Stormwater Runoff from the University of Portland Campus."
A feasibility analysis of a hydroelectric turbine powered by stormwater runoff from the University of Portland campus.
Presented by: Billy Gibbs, Jenn Brannan, Brendan Busi, Colton Collins, Jenny Doyle, Micah Hirayama, and Chris Schmidt
Faculty Sponsor: James Male

School of Engineering
Shiley Hall 101

"Self-Ordering Bocce Ball System."
Our project automatically orders Bocce balls with respect to their relative proximity to the Pallino. This is accomplished through the use of acoustic and radio waves, which ultimately displays the order on a handheld screen. If scaled down, this would eliminate the need for the players to physically determine the order of the balls while playing.
Presented by: Michael Chhor, Sean Pfister, Brent Groulik, and Allan Young
Faculty Sponsor: Joseph Hoffbeck

"Android Pilot Nation 2.0."
An Android application that helps Pilots fans stay connected with Portland Pilots Athletics.
Presented by: Stewart Wilson, Marshall Miller, Oliver Peery, and Michael Kness
Faculty Sponsor: Karen Ward

"Antics: A Game to Assist In Teaching Artificial Intelligence."
Antics is a turn-based strategy game that allows for a modular artificial intelligence component. The point of this project is to replace the game that is currently used in the Artificial Intelligence course at the University of Portland.
Presented by: Max Ackley, Adam Kauth, Cole Mercer, and Abi Sundaram
Faculty Sponsor: Tanya Crenshaw

SESSION IV  3:15 – 4:05 P.M.

College of Arts and Sciences
Biology
Buckley Center 314

"Reanalyzing the JAMA2 Gene Sequences of Children with Downs Syndrome-Related Heart Defects."
Presented by: Laura Healy
Faculty Sponsor: Arni Ahern-Rindell

"Seasonal Affective Disorder in Primates."
Presented by: Eric Wilkman
Faculty Sponsor: Tara Maginnis

"Palau: The Last of the Untouched."
Presented by: Sara Bayer
Faculty Sponsor: Tara Maginnis
SESSION IV  3:15 – 4:05 P.M.

College of Arts and Sciences
Communication Studies
Franz Hall 034

"Final Round of Annual University of Portland Speech and Debate Union Tournament."
This panel showcases the debate between the two University of Portland debaters who have successfully advanced to this final round. It provides an exemplar of excellent argumentation and oration on a topic easily understood by the audience.
Presented by: Speech and Debate Union
Faculty Sponsor: Bohn Lattin and Brian Simmons

College of Arts and Sciences
International Language and Cultures
Franz Hall 231

"Political Theory in Spain Today."
Spanish culture has evolved from a collective state under dictatorship to a society of individualism in Post-Franco Spain (presentation given in Spanish).
Presented by: Cecilia Cervantes
Faculty Sponsor: Lora Looney

"Sexual Health in Spain."
A discussion of social attitudes towards sex and current government programs for sexual health education in Spain (presentation given in Spanish).
Presented by: Alissa Medina
Faculty Sponsor: Lora Looney

"Spain’s Healthcare System."
A discussion of successes and challenges in Spain’s universal healthcare system in a society faced with an aging population (presentation given in Spanish).
Presented by: Van Duong
Faculty Sponsor: Lora Looney

"Spain’s e-Book Business."
A discussion of how Spain’s publishing industry has taken on book-pirating (presentation given in Spanish).
Presented by: Hannah Robinson
Faculty Sponsor: Lora Looney

College of Arts and Sciences
Philosophy
Franz Hall 206

"The Paradox of Moral Responsibility and its Implications for Punishment."
Presented by: Gabrielle Hansen
Faculty Sponsor: Jeff Gauthier

"Catharine MacKinnon’s Theory of Sexual Exploitation."
Presented by: Megan Irinaga
Faculty Sponsor: Jeff Gauthier

"Individualism and Tocqueville's 'Democracy in America.'"
Presented by: Sarah Kries
Faculty Sponsor: Bill Curtis

College of Arts and Sciences
Sociology
Franz Hall 214

"Cultural Practices and Gendered Violence."
Presented by: Katie Van Dyke
Faculty Sponsor: Martin Monto

"Giving the Green Light to Green Dot: Efficacy and Fit of the Green Dot program at the University of Portland."
Presented by: Ryan Dunkley
Faculty Sponsor: Martin Monto
SESSION IV  
3:15 – 4:05 P.M.

College of Arts and Sciences  
Sociology  
Franz Hall 214

"Intersections of Violence in the Lives of Portland Street Youth."
Presented by: Claire Shepek  
Faculty Sponsor: Martin Monto

"The Spatial Mismatch of Sexual Assault Hotspots and Service Centers in Portland."
Presented by: Nick Chun  
Faculty Sponsor: Martin Monto

"The Gendered Differences of Self Harm and the Role of Masculinity in Self-Harm Engagement."
Presented by: Frank Deryck  
Faculty Sponsor: Martin Monto

Pamplin School of Business  
Franz Hall 223

"Western Region APICS Competition."
Presented with a problematic case study along with other teams, six Operations and Technology Management seniors were expected to come up with a viable solution within major time, space, and resource constraints. These students will discuss the supply chain crisis which confronted them, their solution to the problem, and the approach that led them to victory.  
Presented by: Katrina Ause, Matt Beverly, Lacey Hall, Taylor Jones, Sarah Klemsz, and Chris Vennes  
Faculty Sponsor: Gary Mitchell

School of Engineering  
Shiley Hall 301

"Kenya Quench: Clean Water for the Developing World."
While clean water is a common resource throughout the USA, it is not so for much of the developing world. Kenya Quench’s goal is to develop a water filtration system that will purify the drinking water needed for a family in rural Kenya. This filter must be simple, effective, and durable. This project’s focus has been the design and production of this filter, as well as testing its effectiveness.  
Presented by: Nicholas Etzel, Will Marshall, Matt Rodrigues, and Alissa Tseu  
Faculty Sponsor: V Murty

"Kakapo Aviation - Building the Modular Aircraft."
The goal of the project was to construct a lightweight, load-lifting, remote-controlled aircraft that could be assembled from several parts. These criteria emulate the requirements of the Unmanned Aerial Vehicle industry in constructing an aircraft that can carry a significant payload while featuring a light construction and being as inexpensive as possible.  
Presented by: Kelly Edmond and Spencer Boland  
Faculty Sponsor: V Murty

"Design and Analysis of a Turbojet Utilizing a Turbocharger."
A turbojet is designed and constructed using a repurposed turbocharger from an internal combustion engine. The presentation focuses on the design challenges and performance characteristics of the turbojet.  
Presented by: Joel Cramer, Zachary Stroh, and Stuart Tanasse  
Faculty Sponsor: V Murty
SESSION IV  3:15 – 4:05 P.M.

School of Engineering
Shiley Hall 319

"Brawl Stars: A Journey in XNA Development with Team Deadly Game."
Brawl Stars is a fighting game for the Xbox 360 influenced by games such as Super Smash Bros. Presentation will discuss the game and its development using the XNA framework.
Presented by: Tom Aaro, Fenton Radford, and Cory Swanson
Faculty Sponsor: Andrew Nuxoll

"Engineers Without Borders Honduras Stormwater Management Project."
An overview of the current Engineers Without Borders project for community of Guadalupe Carney, Honduras that will be built in May 2012.
Presented by: Jenny Doyle
Faculty Sponsor: Mark Kennedy

"Project LED Cube: An Interactive 3D Microelectromechanical Sensor Display."
The LED Cube project is an interactive accelerometer display on a 3D cube of light-emitting diodes. This project uses microelectromechanical sensors to sense real-time data and display it on an electrically controlled system. The project's purpose is to create an enjoyable toy while gaining valuable experience in custom integrated circuit design and working with complex embedded digital systems.
Presented by: Patrick Bloem, Caleb Pentecost, Devin Pentecost, and Jess Tate
Faculty Sponsor: Peter Osterberg

School of Engineering
Shiley Hall 101

"University of Portland Parking Structure Design."
The presentation will describe the conceptual layout and design of the proposed new parking structure at University of Portland. The parking structure is to be constructed alongside the bluff behind Corrado Hall. The entrance will be located on Portsmouth Ave and the structure will descend down to the new River Campus.
Presented by: Kevin Kelly, Michael Bates, Douglas Chun, Sarn Clark, and Brian Feeney
Faculty Sponsor: Mehmet Inan

POSTER PRESENTATIONS  10:15 – 11:05 A.M.

Students will be by their posters in the noted poster presentation session, but the posters will remain up all day.

College of Arts and Sciences
Biology
Faculty Sponsor: Jeff Brown
Franz Hall Lobby

"Formation of a Stable Wnt3A-Frizzled8CRD Complex for Increasing the Solubility of Hydrophobic Wnt3A."
Presented by: Miriam Hakim

College of Arts and Sciences
Biology
Faculty Sponsor: Tara Maginnis
Franz Hall Lobby

"Blood in the Water: Target Training in Sevengill Broadnose Sharks."
Presented by: Katie Link
POSTER PRESENTATIONS  10:15 – 11:05 A.M.

College of Arts and Sciences  Chemistry  
Faculty Sponsor: Angela Hoffman  
Franz Hall Lobby  

"Partial Purification and Characterization of an Antibiotic and Anticancer Compound from Flowers of Dahlia variabilis by Normal-Phase Liquid Chromatography and HPLC."
Presented by: Benjamin Lee

College of Arts and Sciences  Chemistry  
Faculty Sponsor: Edward J. Valente  
Franz Hall Lobby  

"Synthesis of a Crowded Arylpyran Pseudoacid."
Presented by: Truc-Vi Duong

"In Pursuit of Unsymmetrical \( \beta, \beta \)-Disubstituted Unsaturated Acids."
Presented by: Chloe Anh Nguyen

College of Arts and Sciences  Chemistry  
Faculty Sponsor: Eugenijus Urnezius and Edward J. Valente  
Franz Hall Lobby  

"Nickel Complexes with New Ditopic Bisphosphine Ligands."
Presented by: Rose Chuong, Lillian P. Nguyen, Valerie S. Chiong, Kourtney L. Kugler, Wyatt P. Olson, Stephanie M. Songey, Megan A. Supinski, Eric J. Wiessner, and Frank R. Winczewski

College of Arts and Sciences  Chemistry  
Faculty Sponsor: Ronda Bard  
Franz Hall Lobby  

"Synthesis of Dibromostilbene Using Hypervalent Iodine."
Presented by: Jordan Albrich, R.J. Pinder, and Kelsey Clemens

College of Arts and Sciences  Chemistry  
Faculty Sponsor: Steve Mayer  
Franz Hall Lobby  

"Raman Spectroscopy: Vibrational Spectrum of CCl\(_4\)."
Presented by: Y Hoang, Rose Chuong, Ara Ha, and Dain Landholm

"Atomic Absorption of Rb."
Presented by: Brittany Cannon, Vinson Diep, Andrew Harm, and Jeannie Kinoshita

"Visible Spectra of Conjugated Dyes."
Presented by: Benjamin Lee, Daisey Lee, Victoria Li, and Lillian Nguyen

"Ro-vibrational Spectroscopy: HCl/DCI."
Presented by: Vi Duong, Celia Gendron-Herndon, and Michael Paton

"Molecular Photophysics ofAcridine Yellow."
Presented by: Christine Dollard, Beth Krautschied, Christopher Lew, and Ryan Walke

"Absorption Spectrum of I\(_2\)."
Presented by: Julia Balistreri and Kyle Hamm
### POSTER PRESENTATIONS  10:15 – 11:05 A.M.

<table>
<thead>
<tr>
<th>College of Arts and Sciences Chemistry</th>
<th>&quot;Sultam Thioureas: Synthesis and Antiviral Activity Against West Nile Virus.&quot; Presented by: Diane Le</th>
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</thead>
<tbody>
<tr>
<td>College of Arts and Sciences Mathematics</td>
<td>&quot;Taxicab Geometry.&quot; Presented by: Kyanne Mayfield</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Fractals.&quot; Presented by: Catherine Schuster</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Two Truths and a Lie: Gender and Lie Detection (Interactive).&quot; Presented by: Lindsay Baker, Cody Glaess, and Dane Stringfellow</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Comparing Body Esteem in Male and Female Collegiate Athletes and the General Student Body.&quot; Presented by: Kaitlyn McNamara, Scott Hines, and Carly MacKay</td>
</tr>
<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Self-Disclosure and Gender.&quot; Presented by: Madison O'Mara, Lilia Rivera, and Emily Salisbury</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Does Divorce have Long-Term Damaging Effects on Children?&quot; Presented by: Cecilie Han, Jessica Marsh, and Larisa Sazon</td>
</tr>
<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Effects of Expressive Writing Therapy on Stress in College Students.&quot; Presented by: Theresa Cutter, Samantha Gonzalez, and Marissa Ohlstrom</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Stress-Reducing Capabilities of Dogs.&quot; Presented by: Kristal Gibelyou, Steven Langston, and Robin Stewart</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Drug Addiction: Brain Disease or Disease of Choice?&quot; Presented by: Daniel Lyons, Molly Mitchell, and Kim Waller</td>
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<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Perceived Influence of Sexual Education on Sexual Attitudes and Behaviors of College-Age Individuals.&quot; Presented by: Ryan Dunkley, Mackenzie Ryan, and Rhiannon Teixeira</td>
</tr>
<tr>
<td>College of Arts and Sciences Psychology</td>
<td>&quot;Food Cue Prominence: Why We Eat More than We Think.&quot; Presented by: Alexa Olin, Michelle Hamilton, and Gabby Sucher</td>
</tr>
<tr>
<td>School of Education</td>
<td>&quot;A Day in the Life of an Elementary Teacher: Prep Work.&quot; Presented by: Kelsey Rataushk, Natalie Schlappi, and Margaret Betts</td>
</tr>
<tr>
<td>School of Education</td>
<td>&quot;A Day in the Life of an Elementary Teacher: Morning Routine.&quot; Presented by: Kara De Rego, Tricia Miura, and Tim Garaventa</td>
</tr>
<tr>
<td>School of Education</td>
<td>&quot;A Day in the Life of an Elementary Teacher: Literacy.&quot; Presented by: Carrie Turrell and Gaby Arenas</td>
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<tr>
<td>School of Education</td>
<td>&quot;A Day in the Life of an Elementary Teacher: Math.&quot; Presented by: Liz Pomeroy, Daniel Morantte, and Catherine St. Marie</td>
</tr>
</tbody>
</table>
POSTER PRESENTATIONS 10:15 – 11:05 A.M.

School of Education
Faculty Sponsor: Hillary Merk
Franz Hall Lobby

“A Day in the Life of an Elementary Teacher: Lunch/Recess.”
Presented by: Claire Eldred and Stacey Burns

“A Day in the Life of an Elementary Teacher: Science.”
Presented by: Hayley Brands, Kassi Klobes, and Rachel Schultz

“A Day in the Life of an Elementary Teacher: Social Studies.”
Presented by: Joanna Goodwin, Melanie Betz, and Molly Zegar

“A Day in the Life of an Elementary Teacher: End of Day and Parents.”
Presented by: Catherine Cooney, Claire Douglass, and Hannah Delaney

“A Day in the Life of an Elementary Teacher: Staff Meetings and After School Duties.”
Presented by: Anna Usselman, Lauren Krigbaum, and Kaelyn East

“A Day in the Life of an Elementary Teacher: Nighttime Duties/Classes/Work Sample.”
Presented by: Nicole Cross, Allison Bingaman, and Daniel Boettcher

School of Education
Faculty Sponsor: Jackie Waggoner
Franz Hall Lobby

“Examining the Effects of Rhythm Reading on Reading Fluency.”
Presented by: Paula Knapp-Davey

“Classroom Seating Arrangements and Their Effects on Student Behavior.”
Presented by: Bradley Langton

“Role Play and the Development of Historical Thinking Skills in the Social Studies Classroom.”
Presented by: Lindsey Lewis

“Mozart as Background Music and its Effect on Productivity and Concentration.”
Presented by: Jeffrey Lewis

“Cyberbullying: What Role do Teachers Play?”
Presented by: Ashley Mayfield

“The Effects of Background Music on On-Task Behavior.”
Presented by: Kyler McClary

“Implementation of Cultural Self-Awareness Investigation and its Effect on Students.”
Presented by: Daniel McCusker

“Mathematics Self-Efficacy and Mathematics Achievement in High School Students.”
Presented by: Samuel Monroe

“The Effect of Direct Instruction of Spelling Words Utilizing Multiple Learning Styles.”
Presented by: Teresa O’Mara

“Physical Movement and Student Attention: Using Movement in the Classroom to Increase Student Attention and Academic Achievement.”
Presented by: Emily Pierce

“Portfolio Assessment and Proficiency-Based Learning: Using Portfolios to Increase Student Proficiency in the English Classroom.”
Presented by: Robert Plowman
POSTER PRESENTATIONS  
10:15 A.M. – 11:05 P.M.

School of Education
Faculty Sponsor: Jackie Waggoner
Franz Hall Lobby

"Beginning Readers and the Use of Word Games as a Literacy Strategy."
Presented by: Alyssa Potok

"Guided Note-Taking in Elementary School: Improving Academic Learning and Engagement."
Presented by: Grant Poujade

"Using Music in the Spanish Classroom to Increase Vocabulary Retention."
Presented by: Maria Ruiz

"The Influence of Stereotypes on Students' Attitudes Regarding Mathematics-Related Careers."
Presented by: Alexis Sampson

"Effective Implementation of Technology in the Music Curriculum."
Presented by: Jesse Strauch

"Technology and Student Attitude: Using Cell Phones to Change Student Attitude Toward Science."
Presented by: Andy Thompson

"The Effects of Peer-Teaching on ELL Students' Mathematical Content Mastery and Perception of Competence."
Presented by: Michelle Van Grunsven

"The Impact of Visual Art on Elementary-Level Reading."
Presented by: Bridget Watson

"Improving Organization of Thought through Impromptu Speaking in Middle School."
Presented by: Elizabeth Yandl

"Socratic Seminars: Employing Student Discourse in a Social Studies Classroom."
Presented by: Alexa Zeazas

"Effects of Extrinsic and Intrinsic Rewards on Student Motivation."
Presented by: Katie Chapman

"Effects of Clusters on Student Achievement in Middle School Science."
Presented by: Aundrea Roberts

School of Education
Faculty Sponsor: Patricia Morrell
Franz Hall Lobby

"World Traveling: Building Global Awareness in the English Classroom."
Presented by: Sarah Moran, Laryssa Retzlaff, Kati McConn, and Katie Doyle
### POSTER PRESENTATIONS 11:15 A.M. – 12:05 P.M.

<table>
<thead>
<tr>
<th>College of Arts and Sciences</th>
<th>Biology</th>
<th>Faculty Sponsor: Tara Maginnis&lt;br&gt;Franz Hall Lobby</th>
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</thead>
<tbody>
<tr>
<td>&quot;The Effects of Autonomy on the Dorso-Ventral Righting Reflex in the Purple Shore Crab (Hemigrapsus nudus).&quot;&lt;br&gt;Presented by: Michael Pacholec</td>
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<tr>
<td>&quot;Habituation to Sound in the Domestic Dog.&quot;&lt;br&gt;Presented by: Kelsey Nevins</td>
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<tr>
<th>College of Arts and Sciences</th>
<th>Chemistry</th>
<th>Faculty Sponsor: Angela Hoffman&lt;br&gt;Franz Hall Lobby</th>
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<tbody>
<tr>
<td>&quot;Identification of S. aureus and Pythium-Inhibiting Compounds in Euphorbia milii.&quot;&lt;br&gt;Presented by: Lana Jesic</td>
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<tr>
<td>&quot;Searching for an Insecticidal Compound from a Yew Tree Extract.&quot;&lt;br&gt;Presented by: Stephanie Songey and Bill Michielsen</td>
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<tr>
<th>College of Arts and Sciences</th>
<th>Chemistry</th>
<th>Faculty Sponsor: Edward J. Valente&lt;br&gt;Franz Hall Lobby</th>
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<tbody>
<tr>
<td>&quot;Arylpyran Pseudoester Synthesis.&quot;&lt;br&gt;Presented by: Vinson Diep</td>
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<tr>
<th>College of Arts and Sciences</th>
<th>Social Justice Program</th>
<th>Faculty Sponsor: Alice Gates&lt;br&gt;Franz Hall Lobby</th>
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<tr>
<td>&quot;Secondary Education and Undocumented Immigrants.&quot;&lt;br&gt;Presented by: Hannah Hofarth</td>
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<tr>
<th>College of Arts and Sciences</th>
<th>Social Work</th>
<th>Faculty Sponsor: Alice Gates&lt;br&gt;Franz Hall Lobby</th>
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<tbody>
<tr>
<td>&quot;Militarization on the U.S.-Mexico Border: Past and Present.&quot;&lt;br&gt;Presented by: Annie Stroup</td>
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<td>&quot;Undocumented Youth Acting Against Injustice.&quot;&lt;br&gt;Presented by: Lindsey Morris</td>
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<tr>
<td>&quot;Second Generation Immigrants: Leave Your Culture at the Door?&quot;&lt;br&gt;Presented by: Tynishia Walker</td>
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<td>&quot;Drug-Related Violence in Mexico: Resistance, Violence, and Politics.&quot;&lt;br&gt;Presented by: Emily Pierce</td>
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<td>&quot;Workers Organizing Movements: Different Populations, Different Models.&quot;&lt;br&gt;Presented by: Elizabeth Murphy</td>
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<td>&quot;Immigration and Terrorist Rhetoric.&quot;&lt;br&gt;Presented by: Megan House</td>
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<td>&quot;Living the American Dream?&quot;&lt;br&gt;Presented by: Nicole Navlet</td>
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POSTER PRESENTATIONS 11:15 A.M. – 12:05 P.M.

College of Arts and Sciences Social Work
Faculty Sponsor: Alice Gates
Franz Hall Lobby

Presented by: Erin Thompson

“Tools and Testimonies of Day Laborers”
Presented by: Danielle Knot

School of Education
Faculty Sponsor: Jackie Waggoner
Franz Hall Lobby

“Academic Achievement of African American Students based on Culturally Relevant Teaching.”
Presented by: Alyssa Veliz

POSTER PRESENTATIONS 2:15 – 3:05 P.M.

College of Arts and Sciences Biology
Faculty Sponsor: Ami Ahern-Rindell
Franz Hall Lobby

“Examination of a Possible Mutation in the GLB1 Gene at Exon 1 in GM1-Affected Sheep.”
Presented by: Brianna Bobiak, Logan Heyerly, Darlene Lim, and Emily Owen

College of Arts and Sciences Biology
Faculty Sponsor: Tara Maginnis
Franz Hall Lobby

“Cauterization After Autotomy: A Protocol for Intertidal Crabs.”
Presented by: Elliot Frank

School of Nursing
Faculty Sponsor: Diane Vines
Franz Hall Lobby

“Portland Homeless Family Solutions (PHFS) Health Fair.”
Presented by: Alicia Howard and Ann Cowan

“My Plate/Mi Plato Interactive Learning Tool for Children.”
Presented by: Kathryn Marsh

“Bud Clark Commons.”
Presented by: Emily Stratton and Holli Tuss

“Advocacy for Children: The Importance of School Nurses.”
Presented by: Leah Biesiadecki, Rebekah Biesiadecki, Danielle Snyder, and Lindsey White

“Nursing Need in Transitional Housing.”
Presented by: Ana David, Sherri Bowyer, Tammy Kreuger, and Birgit Langmann

“Nutricion y Diabetes.”
Presented by: Niki Bothman

“Children of Prostituted Mothers.”
Presented by: Sara Bubar and Kathryn Marsh

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<tr>
<th>POSTER PRESENTATIONS 2:15 – 3:05 P.M.</th>
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<td><strong>School of Nursing</strong></td>
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<td>Faculty Sponsor: Diane Vines</td>
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<tr>
<td>Franz Hall Lobby</td>
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<tr>
<td>&quot;International Center for Traditional Childbearing’s Healthy Families and Baby Shower Lead Awareness Event.&quot;</td>
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<tr>
<td>Presented by: Casey Johnson and Allison Ramsay</td>
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<tr>
<td>&quot;Effects of Smoking on the Body.&quot;</td>
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<td>Presented by: Lindsey White</td>
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<tr>
<td>&quot;Got Insulin? Yeah, Us Either. A Call For Change: Nurses Saving Lives through Updated Insulin Regimens.&quot;</td>
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<tr>
<td>Presented by: Emily Knight</td>
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<tr>
<td>&quot;Understanding of Health, Health Learning, and Perceived Health Needs of Rural Women in India.&quot;</td>
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<tr>
<td>Presented by: Alissa White, Jessi Pinnock, and Ann Cowan</td>
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<tr>
<td><strong>School of Nursing</strong></td>
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<td>Faculty Sponsor: Karen Cameron</td>
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<td>Franz Hall Lobby</td>
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<tr>
<td>&quot;Recuperative Care for Portland’s Homeless Population.&quot;</td>
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<td>Presented by: Alicia Owens</td>
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<tr>
<td>Biology</td>
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<td>Faculty Sponsor: Karen Cameron</td>
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<tr>
<td>Franz Hall Lobby</td>
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<tr>
<td>&quot;The Effects of Pollution on Intertidal Snails.&quot;</td>
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<td>Presented by: Hailey Knettles</td>
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<tr>
<td><strong>College of Arts and Sciences</strong></td>
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<tr>
<td>Mathematics</td>
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<td>Faculty Sponsor: Stephanie Salomone</td>
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<td>Franz Hall Lobby</td>
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<tr>
<td>&quot;Tiling.&quot;</td>
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<tr>
<td>Presented by: Diondra Beck</td>
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