WILLAMETTE UNIVERSITY

SSRD

STUDENT SCHOLARSHIP RECOGNITION DAY

APRIL 22, 2015
The 15th Student Scholarship Recognition Day (SSRD) represents the variety of research and creative work conducted by students in what has become a valued part of Willamette University’s culture and history. Over the years, SSRD has featured over 3000 talks, performances and posters. This year more than 300 student participants from all cohorts across the full range of the liberal arts will present their work and ideas.

SSRD is a day to celebrate the exemplary scholarship and creativity of Willamette University students. It is held annually in the spring for students to share the fruits of their research, present musical, theatrical, and dance performances, and display works of art to members of the faculty, family, friends, and fellow students. Regular classes are not held on SSRD as a way of honoring the extraordinary accomplishments of our students and demonstrating Willamette University’s institutional commitment to student scholarship.

The students whose work is presented at SSRD have been supported in various ways. Some have worked directly with members of the faculty as research assistants or on student-faculty collaborative projects as part of the Science Collaborative Research Program (SCRP) and Liberal Arts Research Collaborative (LARC). Others have designed and conducted their own research as course projects, summer projects, or senior capstone research projects. Still others have created original works in fine and performing arts.

SSRD represents a rich array of thoughtful scholarship addressing long-standing philosophical debates, current social problems, environmental challenges, and scientific quandaries. It also offers an exciting spectrum of creative works. It is not only a time to demonstrate academic achievements, but also various performing arts and community service learning projects.

Join us in celebrating the intellectual achievements, leadership, and creative spirit of our extraordinary students!

*The 2015 SSRD Program cover was designed by Maria Hernandez ‘15*
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SCHEDULE OF 2015 SSRD AND RELATED EVENTS
APRIL 22, 2015

SSRD STUDENT PRESENTATIONS

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CHEMISTRY POSTER SESSIONS

Special Session 2  11:10 am – 12:10 pm, U.C. 2ND Floor Lobby
Special Session 3  12:50 pm – 1:50 pm, U.C. 2ND Floor Lobby

SENIOR ART MAJOR EXHIBITION
10:00 AM – 5:00 PM, Hallie Ford Museum of ART

WILLAMETTE MUSIC PRESENTATIONS AND PERFORMANCES

Solos, 11:10 am - 12:40 pm
Ensembles, 12:50 pm - 1:50 pm

WILLAMETTE THEATRE PRESENTATIONS
11:10 am – 12:40 pm, Putnam Theatre
SESSION 1

Session 1.1, 9:30 am, Eaton 106
Moderator: Jennifer Jopp
Episodes of Exclusion

Who "We" Are: Connections Between Conceptions of Citizenship and Education for African Americans and the Deaf in Antebellum New England
Smyth, Colleen

"Nothing But An Exclusion Order:"
The Legality of Japanese Internment
Wu, Theodore

La Tragedie des Harkis (The Tragedy of the Harkis)
Means, Aubrey

The Parable of Blindness
Shea, Nick

Session 1.2, 9:30 am, Ford 102
Moderator: Miho Fujiwara
Asian Language and Culture

The Imitation Game: Fakes and Forgeries in the Chinese Art Market
Schwabauer, Miranda

Why Few Hikikomori Receive Treatment
Phillips, Caitlyn

Cannabis in Japan: Law Reconsidered
Higashida, Adrienne

Session 1.3, 9:30 am, Eaton 211
Moderator: Janet Lorenzen
Public Spaces as sites of the construction of social meanings: A look at classrooms, Hooters, coffee shops and the city of Salem

Understanding the Career Aspirations of Elementary School Students at Bush Elementary
Ota, Kacey

Sexy Work: Straddling the Line Between Service Work and Sex Work
Weninger, Kalie

Alternative spaces for Community Formation
Valenzuela, Dan

Manhardt, Annemarie

Session 1.4, 9:30 am, Collins 201
Moderator: Joe Bowersox
Sustainability in Nature and Culture/Environmental Impact

Profit Generation via Sustainable Business Practices: The Sports Apparel Industry
Bales, Devin
Reducing Waste by Redesign: Moving Beyond a Throwaway Society
Travis, Lauren

Impact of Europeanization on Environmentalism in Poland and Czech Republic
Vermillion, Lauren

Fracking in the Air: Perspectives from Medical Anthropology
Schaefer, Sandra
**Session 1.5, 9:30am, Ford 201**
Moderator: Colin Starr
Elliptic Curves

Doubly Periodic Functions
Lacy, Katherine

Intersection Multiplicity for Polynomials
Livingston, David

**Session 1.8, 9:30 am, HFMA, Roger Hull Lecture Hall**
Moderator: Dr. Ricardo De Mambro Santos
Spectators, Styles and Motivations: Byzantine to Baroque

Images Made Without Hands: Understanding Iconoclasm by Analyzing its Most Powerful Icons
Michaelanne Foster

Solve et Coagula: An Alchemical Analysis of Bartholomaeus Spranger’s Paintings in the Court of Rudolf II
Michelle Atherton

Shaping Spectatorship in Art: A Study of Francesco Salviati’s “Scenes from the Life of the Virgin Mary.”
Molly Bond

If It's Not Baroque: A Historiographical Approach to the Baroque Style through the Analysis of Francesco Borromini’s Work
Grace Cohen

**SESSION 2**

**Session 2.1, 11:10 am, Ford 102**
Moderator: Jade Aguilar
Analyzing the Media: Race, Class, Gender and Cultural Representations across several genres of media

The Problematic Use of Stereotypes in Popular Television
Winnie, Connor

Consumer Culture in the U.S. and Japan Seen Through TV Commercials
Koashiguchi, Kurumi

Default Settings: Whiteness in Games
Allaway, Jennifer

SKI LIKE A GIRL: Media Constructions of Femininity in Skiing
Sollitt, Shannon

Male Body Image and Consumerism in the 21st Century
Schreiber, Jack

**Session 2.2, 11:10 am, Eaton 209**
Moderator: Monique Bourque
College Colloquium Student Research Grants 2014-2015

Changing Ableist Views Within Medicine: Educating with Music (Pariah: Asylum Fury)
Griswold, Tyler
A Tale of Two Homelands: The Story of a Belgian American (From the Top of the Calendar)
Marien, Hania

Whitman’s Chicken’s: A Willamette Colloquium Grant Experience
Mancl, Olivia

**Session 2.3, 11:10 am, Eaton 307**
Moderator: Kelley Strawn
Studying Ourselves: A Critical Look at Willamette Students Experiences and Beliefs
Factors of Fear on campus.
Timothy, Chen

Symbolism and Implications of Age and Sex: Contextualizing and Communicating about Age-Gapped Relationships
Goodrich-Gray, Aria

Experiences From The Hawaiian Diaspora
Schlack, Emily

Studying Spaces: A Qualitative Study on the Experiences of First-Generation Students at Willamette University
Brand, Julia

**Session 2.4, 11:10 am, Ford 204**
Moderator: Erin McNicholas
Research on Cryptography
Symmetric Key Cryptography
Lin, Yang

Lattice Based Cryptography
Mutch, Taylor

Security and Perfect Secrecy
Harper, Rebecca

**Session 2.5, 11:10 am, Eaton 106**
Moderator: TBD
Thoughts on Islamic Terrorism
Islamophobia and the Creation of the Torture Subject
Irons, Courtney

Explaining Islamic Terrorism and Extremism through Jihad
Balk, Nathaniel

**SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY**
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Moderator: Brandy Fox
A Study of the Chemistry and Impact of Fireworks
Fessler, Mason
Hewage, Navi
Luther, David
Malana, Antonio

Acid Rain and Buffers
Anderson, Whitney
Johnson, Jamie
Kiser Taylor, Rachel
Sharpe, Emma

Acid Rain Causes Fish Pain
Andrews, Phillip
Brown, Meagan
Gallagher, Molly
Rappoport, Rachael
Air Pollution-Chlorofluorocarbons and Its Effect on Ozone Depletion
Chen, Meilin
Fensler, Michelle
Truong, Lina
Wang, Qiying

Application of Lasers in Medicine
Kobylika, Jack
Main, Liam
Reese, Alyssa
Swanson, Hannah
Tichenor, Kenya

Baking Soda and Pastries
Martushev, Thonia
Puckett, Hannah
Sparks, Jewell
Walker, Kelsey

Bio-Chemical Warfare: Allelopathy in Invasive Species
Stueckle, Audrey
Vanderburg, Lydia
Walker, Eliza

Carbon Fibers
Bayang, Jason
Coxon, Margo
Tallman, Cassandra
Witherwax, Ashlyn

Carbon Nanotubes
Blaisdell, Jacob
Landgren, Anna
Romig, Anya
Rumley, Ellen

Chemical and Societal Consequences of Factory Farming
Aguilera, Juan
Martin, Jordan
Morozov, Nicole

Shepard, Sean
Chemistry of Ozone Layer Depletion
Allen, Daniel
Burnside, Robyn
Hamilton, Iva
Wahl, Peyton

Cocaine in the Brain
DiNatale, Emy
Keller, Ben
Robinson, Ian
Xu, Mo

Cooking on the Rise: The Chemistry Behind Chocolate Chip Cookies
Cenac, Michaela
Humphreys, Thelonious
Liband, Emma
Tokutomi, Erin

Emulsifiers: The life of the party!
Cole, William
James, Alexander
Kaup, Maya

Explosive Science: The Chemistry of Fireworks
Ashmun, Henley
Autumn, Kendra
Coste, Samuel
Milstead, Reid
Spangberg, Erik

Five Active Ingredients of Laundry Detergent
Fowler, Caroline
Glazer, Jake
Greer, Meridith
Hernandez, Kenia
Fun with Fungi: Unmasking the Hidden Treasures of Psilocybin in Magic
Ellis, Madelynn
Hokanson, Karin
Mortimer, Sebastian
Faulstich, Kyra
Haber-Bosch Nitrogen Fixation Process
Fritsch, Nathan
McConachie, Jaime
Todd, Brian
High Fructose Corn Syrup – Effects on Health
Gurnee, Nalani
Li, Jeremy
Stirrat, Furey
Wilson, Sierra
Hydrogen: The Fuel of the Future
Blexrude, Daniel
Ibabao, Courtney
Tooley, Dylan
Troxell, Tyler
Wolfe, Shelbie
Ibuprofen to the Rescue
Asaro, Mallory
Chavez, Jessenia
Moore, Kathryn
Moore, Nandi
Peroxidases Breakdown Hydrogen Peroxide Within The Human Body
Adelman, Sam
Jensen, Matthew
McKibben, Makayla
Smith, Marcia
Yang, Madison
Prozac
Grover, Shalini
Houska, Brie
Kronkow, Anna
Solar Voltaic Paints
Chen, Sherry
Hanna, Darby
Moad, Kiara
Wittke, Bridget
Structure and Function of Vitamin D in Relation to Seasonal Affective Disorder
Harlan, Madyson
Navarro, Mariana
Roberts, Madison
Thorn, Catherine
Superconductivity within the field of Magnetic Resonance Imaging (MRI)
Hechtman, Nathan
Henderson, Jordon
Linvill, Matthew
Bullen, Elliot
Roush, Elsa
Synthesis, Engineering and Function of Mesalamine: 5-Aminosalicylic Acid
Reay, Madeleine
Kallem, Till
Mustful, Alyssa
The Chemistry and Applications of Carbon Nanotubes
Butler, William
Kennaday, Mallory
Swen, Donald
The Chemistry and Art of Dyeing
Materials
Ajifu, Rumer
Avila, Ingrid
Mina, Kiara

The Chemistry of LSD
Chan, Boris
Gottuso, Samantha
Martinez, Maria Yasmin
Revelez, Dominic

The Nearly All-Encompassing Maillard
Reaction
Davis, Kayla
Moore, Carrie
Thorpe, Kaeleigh

Vitamin D
Brett, Jack
Fickas, Jordan
McCullough, Brendon
Troplent, Nicolas

Western Alchemy: A Precursor to Chemistry
Almany, Adam
Kennedy, Brandon
Moma, Peter
Trissel, Joshua

What the Frack!
Fong, Aaron
Fujikawa, Kathryn
Markey, Madison
Miyakawa, Kristi
Rosaro, Alyssa Jane

Yellow Prisms of Death
Beymer, Joshua
Knowlton, Ryan
Ruffin, Mikael
Tynan, Gable

Session 2.8, 11:10 am, HFMA, Roger Hull Lecture Hall
Moderator: Dr. Ann Nicgorski
Facets of Modernity

Nudity and Gender Theory in Delacroix's Liberty Leading the People
Alyson Croney

Feminist Theory and Assigning Meaning to Édouard Manet's Works
Elizabeth Van Hook

The Impressionists' Dealer: A Marxist Analysis of Durand-Ruel's Career
Kate Marsella

Umberto Boccioni: A Comparative Study of Style and the Ideological Foundations of Italian Futurism
Stephanie Ricchio

Woodcuts of the World Wars
Alex Geiszler

Session 2.9 11:10-12:40, Hudson Hall
Willamette University Department of Music
Solo Recital

Sherry Liang, piano
Variations, Opus 41
Nikolai Kapustin (b. 1937)

Kelsey Muller, soprano
Crystal Zimmerman, piano
Have Peace (from Little Women)
Mark Adamo (b. 1962)

Jason Pegis, cello
Arsen Gulua, piano
Sonata for Violoncello and Piano (1934)
Dmitry Shostakovich (1906-1975)
Scherzo: Allegro (1906-1975)

Western-Li Summerton, piano
Sonata Opus 31, No. 3
I. Allegro
IV. Presto con fuoco
Ludwig van Beethoven (1770-1827)

Rosemarie Cabading, flute
Crystal Zimmerman, piano
Hypnosis (1994)
Ian Clarke (b. 1964)

Muir Hamilton, guitar
Choro da Saudade
Vals
Agustin Barrios Mangoré (1885-1944)

Sherry Liang and Westy Summerton, piano duet
Variations on a Theme by Paganini for Two Pianos

Witold Lutoslawski (1913-1994)

Session 2.10, 11:10 am, Putnam Theatre
Theatre performances - Five Short Student Works
Jessica Davison

SESSION 3

Session 3.1, 12:50 pm, Ford 204
Moderator: Huike Wen
Asian Language and Culture

Zhang Ziyi: A Transnational Star
Mirroring the Change of Public Image of Chinese in Film
Lay, Victoria

What Are You Afraid Of?—Translating Japanese Feminism for a New Generation
Priebe, Camille

The Next Big…Banana? : The Future Reception of Banana Yoshimoto’s “Sponge”
Terry, Kathryn

Beyond Blood: A Policy Analysis on Parental Rights in Japan’s Alternative Child Care Systems
Fusek, Alyssa

Session 3.2, 12:50 pm, Ford 102
Moderator: Joyce Millen
Traffic in Women

Women and Tanzanian Nation Building: power and identity in postcolonial marriage laws”
Standish, Kellie

The Chilling Truth: Understanding the High Rates of Rape Perpetrated Against Indigenous Women in Alaska
Kubitz, Elizabeth

Muteness and Mutillation in Titus Andronicus
McFarland, Caroline

Session 3.3, 12:50 pm, Eaton 307
Moderator: Stephanie DeGooyer
Sense, Censorship, Surveillance

Applying Foucault to China: How China Systematically Induces Self-Censorship
Zhen, Simon
Surveillance Through Snail Mail: Power in Epistolary Novels
Fredendall, Anna

The Sentimental Woman
Shepherd, Clair

**Session 3.4, 12:50 pm, Ford 122**
Moderator: Jonneke Koomen
Gender, Violence, and Questions of Justice

"We Are a Family": Drag Queens, Queer Relatedness, and Familial Love
DeBok, Christian

Looks Can Kill: Conceptions of Female Agency in Cases of Genocidal and Domestic Violence
Chadwick, Madeline

Bridging the Gap Between “Far-away” Justice and Local Communities: An Analysis of the Outreach Programme of the ICC
Taylor, Caroline

Sexual Violence in Egypt’s 2011 Uprisings: The Military as both Fireman and Arsonist
Noor, Amr

**Session 3.5, 12:50 pm, Eaton 211**
Moderator: Seth Cotlar
Culture and History in the US

American Evil: The Legacy of the 2002 State of the Union address
Lewis, Adam

The Changing Nature of American Zionism
Priebe, Cathryn

Church, State, and Culture: American Civil Religion and Separation of Church and State in the Early 19th Century
Fischberg, Benjamin

**Session 3.6, 12:50 pm, Collins 205**
Moderator: Emma Coddington
Independent and Sponsored Research in STEM

Independent Study in Go
Parker, Hayden

Veto Interval Graphs
Kawana, Jessica

Corticosterone induced electrophysiological modulation in the medullary reticular formation of Taricha granulosa
Saunders, Jonathan

Entropy of Activation Determination of the First Aquation Step of the Antimetastatic Drug NAMI-A
Graubergeer, Jennifer

**Session 3.9, 12:50pm, Hudson Hall**
Willamette University Music Department Ensembles Concert

**Baroque Ensemble**
Ruri Wen-Matsui, recorder
Jeanne Collins, bass viola da gamba
Dylan Librande, harpsichord
Canzona (1612)
Canzona “La Grimaneta” (1620)
Giovanni Battista Riccio
WW5

Rosemarie Cabading, flute
Sara Williams, oboe
Alexis Cartales, clarinet
Shadrach Wood, bassoon
Emma Jonas, horn

Aires Tropicales
1. Alborada
2. Son
4. Vals Venezolano
Paquito D’Rivera (b. 1948)

C4

Cellists:
Jason Pegis
Holly Wheeler
Anne Gendreau
Topher Penning
Concerto in E Minor
Adagio; Allegro
Georg Philipp Telemann (1681-1767)

University Chamber Orchestra
Héctor Agüero, conductor

Serenade, Opus 20 (1892)
I. Allegro
II. Larghetto
III. Allegretto
Edward Elgar (1857-1943)

Chamber Choir

Connor Soejoto, Student Conductor
Musica Animam Tangens
Joshua Shank (b. 1980)

Arielle Chasteen, Student Conductor
El Guayaboso

Guido Lopez-Gavilan (b. 1944)

SESSION 4

Session 4.1, 2:00, Ford 301
Moderator: Gaetano DeLeonibus
Ways of Telling

Le Littérama’ohi: French Polynesian Literature and French Colonialism in the South Pacific
Kastner, Mele Ana

Truth Under the Moon and Stars
Boucher, Maggie

Session 4.2, 2:00 pm, Eaton 106
Moderator: David Gutterman
Beyond Millennial Cynicism

The Problems of David Foster Wallace’s Poetics
Sparling, Zane

Millennials, American Politics, and New Media: The Motivations Behind A Growing Generation
Kalugin, Katie

Session 4.3, 2:00, Ford 102
Moderator: Sammy Basu
A look at civil rights at the local, state and federal level for underrepresented communities through the lenses of advocacy organizations in Hood River, Oregon, labor laws, wage theft and sexual violence in the workplace in Oregon and statewide variance

On the Road Again: Explaining statewide variance in driver’s license policies for undocumented immigrants
Hayes, Rebecca
Wage Theft and Sexual Violence in the Workplace
Hernandez, Maria

Nuestra Comunidad Sana: Political Advocacy in Hood River, Oregon
Sonato, Martha Elena

Session 4.4, 2:00 pm, Ford 122
Moderator: Erik Noftle
Psychology Symposium
Personality Traits in Everyday Life: How Situational Characteristics Relate to Trait-Relevant Behavior Across Adulthood
Gust, Charleen

Associations between Pre-College, and College Friendships and Young Adults Authenticity after their First Year of College
Cullen, Laura

Reducing Memory Conformity: The Effect of Perceived Study Time on the Own-Race Bias
Babij, Alexandra

Ethnic Bias in the Classroom: How Teacher Expectations Influence Achievement
Cain, Shannon

Session 4.5, 2:00 pm, Eaton 209
Moderator: Leslie Dunlap
Our Bodies, Ourselves in 2015

“An Ugly Intervention: Ugly and the Women’s Health Movement”
Neubauer, Courtney

Our Bodies, Our [Sex] Lives: Sex Education as a Social System
de Man, Jordan (Alex)

Sex Wars: A Defense of Feminist Pornography
Martinez, Samantha

Session 4.6, 2:00 pm, Collins 205
Moderator: David Altman
Unraveling the Roles of the Motor Protein Myosin
Observing Force Dependence of Acanthamoeba myosin 1c with in vitro assays
Betton, Forrest

Measuring Myosin VI Force in RPE Phagocytosis
Vellequette, Max

Using RNA Interference to Observe the Role of Myosin VI in the Trafficking of Vesicles in RPE Cells
Ahern, Elisa

Session 4.7, 2:00, Collins 201
Moderator: Christy Andrade
Microbiota of Culex Mosquitoes

Diversity of the Gut Microbiota of Culex Mosquitoes
Smith, Brittany

Exploring Gut Microbial Communities of Culex in Salem, Oregon
Glantz, Hayley

Session 4.8, 2.00 pm, HFMA, Roger Hull Lecture Hall
Moderator: Dr. Abigail Susik
Contemporary Problems and Puzzles, Part 1
Artist as Model: Subjectivity and the Self in the Art of Bas Jan Ader and Ger van Elk from 1969-1975
Hannah Macaluso-Green

Ana Mendieta: Challenging Phallogocentric Vernacular
Mendez Packer, Maddie

Session 4.9, 2:00 pm, Ford 122
Moderator: Monique Bourque
Student Scholars

The Categorical Evil: Kant's Legacy in the Nazi Regime
Underdahl, Soren (Carson Grant)

Redox Active Chitosan Derivatives
Miller, Emily (Presidential Scholar)

SESSION 5

Session 5.1, 3:10 pm, Eaton 209
Moderator: Michael Chasar
Creative Writing

People aren't Buildings and Other Facts I've Memorized: The Memoir of Thyme
Jensen-Sparks
Piluso, Kathleen (Kate)

Twenty-Something
Youngbauer, Victoria

Electric Sheep
Walker, Saran

Session 5.2, 3:10 pm, Ford 201
Moderator: Bill Smaldone
Examining Human Values

Wolf-watching
Manoukian, Elize

Control of the Other: How and Why the French Perceived and Portrayed Cannibals in the 16th and 17th Centuries
Pate, Natalie

Session 5.3, 3:10 pm, Ford 102
Moderator: Rebecca Dobkins
Building Bridges

Building Bridges: The Inclusion of Latino Parents in a College Access Program
Garcia Perez, Grecia E.
Vargas, Thalia

Session 5.4, 3:10 pm, Ford Lobby
Moderator: Erik Noftle
Psychology Poster Session

Changes in Big Five Personality Traits of Japanese Students Across the Study Abroad Experience
Merwin, Meghan
Montemayor, Madison

Kroner Dale, Maximilian
Neshyba, Anna

Comparing the Values in Action and Big Five Personality Taxonomies: The Overlap of the VIA and Big Five in Predicting Life Outcomes.
Thimesch, Emily
Session 5.5, 3:10 pm, Collins 205
Moderator: Joyce Millen
Controlling Life and Death

Designing Death: A Contemporary Anthropological Analysis of Biomedicine and End-of-Life Options in America
DeLong, Joelle

Piechocki, Nicole

Session 5.6, 3:10 pm, Eaton 106
Moderator: Ortwin Knorr
Reading ancient artifacts

Cup-and-Rings: Connections between Passage Tomb Art, Rock Art, and the Landscape of Neolithic Ireland
O’Neill, Kaitlin

Elemental Characterization of Roman Imperial Coinage from the Hallie Ford Museum (Salem, Oregon, USA) Using Portable X-ray Fluorescence
Goodwin, Graham

Session 5.7, 3:10 pm, Collins 201
Moderator: Michaela Kleinert
Math and Methods in Physics

Optimizing ablation Parameters for an Ultrafast Pulsed Laser
Stuart, Alycia

Observation and Analysis of GSC 03144-00595: an understudied pulsating star
Mow, Ben

Single Photon Interference and Weak Quantum Measurement
Crain, Derek

Session 5.8, 3:10 pm, HFMA, Roger Hull Lecture Hall
Moderator: Dr. Abigail Susik
Contemporary Problems and Puzzles, Part 2

Queer Culture History Seen Through Art
Pauline Douglass

Transgressive Art and Human Limitation
Matt Swart

SESSION 6

Session 6.1, 4:20 pm, Eaton 209
Moderator: Michael Chasar
Creative Writing Thesis

Cherry Blossoms Are Not Popcorn
Brown, Hannah

Iotas
Jonas, Emma

The Pale Rind: Translations and Poems
Snodgrass, Amy

Session 6.2, 4:20 pm, Eaton 105
Moderator: Doug McGaughey
Questions of Meaning

Kant’s Philosophy of Freedom
Risolo, Andrea

Searching for the true meaning of the U.S. Constitution
Lewis, Jeff
Session 6.3, 4:20, Collins 205
Moderator: Peter Wogan
Food Movements

Back to the Land: Alternative Food Movements in Socio-Political Context
Anderson, Hannah

Building a Healthy Community One Tray at a Time
Damberg, Lucia

Shifting Landscapes of an Ancient Grain: Community, Women, and the Commercialization of Quinoa in the Peruvian Altiplano
Schwarz, Hannah

Session 6.4, 4:20 pm, Eaton 106
Moderator: Ivan Welty
Prison

Can Voting Restrictions Be Justified?
Why Maine and Vermont Became Outliers for Never Instituting Criminal Disenfranchisement
Stroh, Merideth

Religious Messaging in Federal Criminal Drug Sentencing in Both the United States and Canada
Verwolf, Lucas

Rethinking Reform: Oregon House Bill 3194 and Prison Resentencing in the Prison-Industrial Complex
Oswill, Andres

Session 6.5, 4:20 pm, Ford 102
Moderator: Roy Perez
Liberating Ourselves: Critical Perspectives on Black Resistance

Property or Problem? Regulating the Captive Black Female Body
Wells, Taylor

Black Liberation & Modes of Resistance
Townsend, Jameka

"i loved you on purpose": Subversive Homosocialism in Ntozake Shange’s "for colored girls who have considered suicide when the rainbow is enuf"
Elizabeth, Smith
Abelman, Sam; Jensen, Matthew; McKibben, Makayla; Smith, Marcia; Yang, Madison
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Peroxidases Breakdown Hydrogen Peroxide Within The Human Body
Ibuprofen is arguably one of the most common and widely used drugs across medical science. The behavior of ibuprofen in the body makes it an effective drug for fighting pain and inflammation, especially for training athletes. While it is well known for its non steroidal anti-inflammatory drug (NSAID) properties, ibuprofen is characteristically tough on the stomach. The chemistry behind ibuprofen as an anti-inflammatory agent will be addressed. Additionally, the chemistry behind ibuprofen as an inhibitor to enzymes like cyclooxygenase, and its product, prostaglandin, which protects the stomach, will be discussed.

Aguilera, Juan; Martin, Jordan; Morozov, Nicole; Shepard, Sean
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Chemical and Societal Consequences of Factory Farming
Concentrated animal feeding operations create tremendous amounts of water pollution that endangers the health and preservation of surrounding humans, wildlife, and environment. Pollutants from CAFOs include uncontrollable amounts of manure and waste water that are saturated with nitrates, heavy metals, and antibiotics that breed antibiotic-resistant bacteria. Populations and wildlife near these massive CAFOs often experience health issues including reproductive problems, central nervous system malfunctions, and overall decrease in health due to the water and air pollution. The goal of this poster is to raise awareness about the environmental destruction and health issues to humans and wildlife caused by factory farms.

Ahern, Elisa
4.6, 2:00, Collins 205
Unraveling the roles of the motor protein myosin
Using RNA Interference to Observe the Role of Myosin VI in the Trafficking of Vesicles in RPE Cells
I hypothesize that myosin VI helps generate the forces associated with phagocytosis in RPE cells. I tested my hypothesis using RNA interference to silence myosin VI expression in retinal pigment epithelial (RPE) cells, and observed the RPE cells' ability to traffic phagosomes. Because a decreased rate of trafficking was observed using the confocal microscope, I measured how forces acting on the beads affect trafficking for both silenced and unsilenced cells using the optical trap. I quantified the differences in forces generated between cells expressing myosin VI and those that were not.

Ajifu, Rumer; Avila, Ingrid; Mina, Kiara
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
The Chemistry and Art of Dyeing Materials
We will explore the chemistry of dyeing fibrous materials and differentiate between the following types of dyes: acid, disperse, directive, and reactive. We will outline their syntheses and the most effective and efficient ways to use them. Each dye requires different reaction conditions, such as temperatures, chemicals, and pH. Our study is important to society because early types of dyes included urine, sour buttermilk, and sulfuric acid, all of which were obviously unpleasant, and took months for the color to set into the material. We will discuss the new, efficient, and cost-effective dyeing techniques that have revolutionized the textile industry.

Allen, Daniel; Burnside, Robyn; Hamilton, Iva; Wahl, Peyton
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Chemistry Of Ozone Layer Depletion
In this project, our group will discuss and explain the depletion of the ozone layer. We will explore its natural effects on Earth’s ecosystem and trace the timeline of its growth and the resulting negative effects on the natural world. As part of the project, we will investigate how pollution increases the Ozone depletion through excess carbon emissions as CO2, releasing chlorofluorocarbons increasing the rate of ozone depletion, as well as exploring the reports made by the UN declaring the ozone layer is making a comeback. Through the understanding of these chemical reactions leading to ozone depletion will be presented.
Almany, Adam; Kennedy, Brandon; Moma, Peter; Trissel, Joshua
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Western Alchemy: A Precursor to Chemistry
Western Alchemy arose as the first attempt at understanding the elemental composition of our natural world. It started in Ancient Egypt around the 4th century BCE, and persisted until the 18th century as the primary method of scientific inquiry. One main goal of alchemy was to find a way to turn metals into gold. However, because Alchemists had no way of studying the molecular components of nature, they were often wrong in their assumptions and were unable to achieve this goal. Nonetheless, they laid the foundation for modern chemistry by creating a basis for the scientific method and modern experimentation.

Allaway, Jennifer
2.1, 11:10, Ford 102
Analyzing the Media: Race, Class, Gender and Cultural Representations across several genres of media
Default Settings: Whiteness in Games
Jennifer Allaway uses content analysis on the top 10 most profitable retail games and top six most profitable digital games of 2013 to understand the portrayal and role of whiteness in games. She seeks to explore how whiteness is sold to the player, to which players different portrayals of whiteness is sold, and the amount of space taken up within the game by white characterization versus characterization of color.

Anderson, Hannah
6.3, 4:20, Collins 205
food movements
Back to the Land: Alternative Food Movements in Socio-Political Context
An ethnographic study wherein alternative food movements of the 1960s and 70s are juxtaposed with today’s, encompassing a spectrum from urban farming to homesteading and beyond. This research studies the “back-to-the-land” phenomena of both eras in the United States in terms of structure, agency, and practice, and examines the social and political climates of each to inform a more holistic analysis of where we have been, where we are, and where we are going in terms of our food system.

Anderson, Whitney; Johnson, Jamie; Kiser Taylor, Rachel; Sharpe, Emma
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Acid Rain and Buffers
Acid rain creates major problems for aquatic life in lakes and streams and directly affects human health. Sulfur dioxide, released from fossil fuel combustion, chemically reacts with oxygen and water in the air to cause acidic precipitation. Buffering is a possible artificial solution to this problem as well as a natural solution. It is effective in balancing the pH levels of lakes and streams by adding a neutralizing agent. This project delves into the understanding of the buffer for sulfur dioxide as a byproduct of acid rain and its ability to neutralize unnaturally low pH in ecosystems.

Andrews, Phillip; Brown, Meagan; Gallagher, Molly; Rappoport, Rachael;
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Acid Rain Causes Fish Pain
Acidic rainfall occurs when water molecules dissolve gases such as SO2 and NO2, forming sulfuric and nitric acids. The consequences of acid rain include devastating effects on the environment as well as civilization. This presentation will contain details on how acid rain forms as well as a discussion on how this negatively impacts our world in a multitude of ways, including the destruction of natural habitats and the ruin of historical monuments and buildings. Finally, we will include the discussion of how humanity can work together to reduce the production and the impact of acidic rainfall upon the earth.

Asaro, Mallory; Chavez, Jessenia; Moore, Kathryn; Moore, Nandi
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Ibuprofen to the Rescue?
Ibuprofen is arguably one of the most common and widely used drugs across medical science. The behavior of ibuprofen in the body makes it an effective drug for fighting pain and inflammation, especially for training athletes. While it is well known for its non-steroidal anti-inflammatory drug (NSAID) properties, ibuprofen is characteristically tough on the stomach. The chemistry behind ibuprofen as an anti-inflammatory agent will be addressed. Additionally, the chemistry behind ibuprofen as an inhibitor to enzymes like cyclooxygenase, and its product, prostaglandin, which protects the stomach, will be discussed.
ABSTRACTS

Ashmun, Henley; Autumn, Kendra; Coste, Samuel; Milstead, Reid; Spangberg, Erik
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Explosive Science: The Chemistry of Fireworks
We will investigate the chemical components that create the visual and auditory effects of recreational fireworks. We will explain the chemistry behind why certain compounds create certain colors, using the electron excitation of magnesium fireworks. We will discuss the chemistry behind KClO₄, the oxidizing agent of the redox reaction behind magnesium fireworks explosions, including the release of O₂ molecules which are required to burn the mixture of reducing agents. Lastly, we will discuss the effect of heat within the chemical reactions, including the expansion of the gas and how that plays a role in the explosive force of the reaction.

Atherton, Michelle
1.8, 9:30, HFMA, Hull Lecture Hall
Spectators, Styles and Motivations: Byzantine to Baroque
“Solve et Coagula: An Alchemical Analysis of Bartholomeus Spranger’s Paintings in the Court of Rudolf II.”
This thesis seeks to examine the relationship between the circle of alchemists in the imperial court of Rudolf II and the works of his court painter, Bartholomeus Spranger. It presents an alchemical analysis of Spranger’s series of mythological couples, and how the alchemical beliefs of 16th century Prague manifest in these works.

Babij, Alexandra
4.4, 3:10, Ford 122
Psychology Symposium
Reducing Memory Conformity: The Effect of Perceived Study Time on the Own-Race Bias
Human memory is highly susceptible to social influence. This susceptibility results in memory conformity - a change in one’s own memory report to align it with another person’s memory report. This project examines the combined influence of two variables previously shown to affect rates of memory conformity independently—perceived amount of study time and the own-race bias. We designed an experiment including a facial recognition test that allowed us to manipulate both the perceived amount of study time of each participant as well as the race of their partner simultaneously.

Bales, Devin
1.4, 9:30, Collins 201
Sustainability in Nature and Culture
Profit Generation via Sustainable Business Practices: The Sports Apparel Industry
My senior thesis explores how sports apparel firms generate profit through the use of sustainable practices or those that take into account their environmental and social impacts. Research comprised of an academic and popular literature review, and case study of Brooks Running.

Balk, Nathaniel
2.5, 11:10 am, Eaton 106
Moderator: TBD
Thoughts on Islamic Terrorism
Explaining Islamic Terrorism and Extremism through Jihad
To provide a better understanding of why Muslim extremists use terror tactics in the name of religion, this research project focuses on Islamic religious narratives and texts explaining Jihad. After defining Jihad, this project uses examples from the Quran, Hadiths (teachings or actions from the Prophet Muhammad), and doctrines from Muslim leaders. As interpreted by radical Islamists, these narratives justify violence and terrorism, though moderates in and outside of the Muslim world disagree. A critical examination is crucial to understanding certain actions and motives in modern Islam and can help explain why individuals or groups act the way they do.

Bayang, Jason; Coxon, Margo; Tallman, Cassandra; Witherwax, Ashlyn
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
2.6, 11:10 am, and 3.6, 12:50 pm
Carbon Fibers
Carbon fibers are an important material and a developing market in modern society. Their structure consists of a carbon hexagonal geometry like graphite twisted into yarn. They are made through several steps
including spinning, stabilization where the carbon fiber is heated, carbonization used to remove impurities, and sizing, where a protective coat is added. Because of their lightweight and high tensile strength compared to metals, such as steel, carbon fibers will allow American manufacturers to lower production costs in prosthetics, defense applications, sporting goods, aerospace, and automobile technology.

Betton, Forrest
4.6, 2:00, Collins 205
Unraveling the roles of the motor protein myosin
Observing Force Dependence of Acanthamoeba myosin 1c with in vitro assays
Motor proteins are molecular level engines which affect and are affected by the multitude of intracellular dynamics. We sought to understand force-sensitivity of one subclass of one class of molecular motors called myosins-I. We expressed and purified this motor from an insect-cell protein expression system. We will perform a set of in vitro assays to quantitatively describe the reaction kinetics by which the motor conducts work. In this experiment, we use an optical trap to apply external forces to individual motors and observe force-sensitivity. We will also observe an ensemble of motors in the absence of external forces.

Beymer, Joshua; Knowlton, Ryan; Ruffin, Mikael; Tynan, Gable
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Yellow Prisms of Death
Although widely known as a chemical weapon, mustard gas (sulfur mustard) is a powerful chemical that has been studied since it was first synthesized in 1822 by Cesar-Mansuete Despretz. Sulfur mustard, a toxic gas that is absorbed through epithelial tissues, acts on the respiratory and cutaneous systems, and also can cause ocular damage. It's rarely the direct cause of death; the majority of deaths occur from infection after exposure due to weakened or destroyed tissue. Despite its negative connotation, sulfur mustard is also studied as an anticancer and tumor inhibiting agent. Continual study of mustard gas could reveal further uses.

Blaisdell, Jacob; Landgren, Anna; Romig, Anya; Rumley, Ellen
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Carbon Nanotubes
In this project we explore various properties, functions, and uses of carbon nanostructures (CNT). Recently discovered in 1991, CNTs are currently a focus in many disciplines of science. CNTs possess many unique qualities and have a wide range of applications including medicine, electrical engineering, exercise science, and structural engineering. The unique, multi-layered cylindrical structure of graphite gives CNTs incredible tensile strength in proportion to its size and weight, as well as high flexibility and efficient heat conduction. Such findings about CNTs encourage further studies to understand the entirety of its potential utilizations.

Blexrude, Daniel; Ibabao, Courtney; Tooley, Dylan; Troxell, Tyler; Wolfe, Shelbie
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Hydrogen: The Fuel of the Future
Hydrogen is abundant in water and many organic compounds. Hydrogen fuel combustion emits water and nitrous oxides in contrast to the harmful fossil fuels that release carbon dioxide into the environment. Hydrogen fuel cells are an environmentally friendly source of energy to power vehicles, buildings, businesses, and households. However, commercialization of hydrogen as a fuel source presents a challenge because although hydrogen is abundant, hydrogen gas is not. Hydrogen fuel will require a global investment and shift in how energy sources are used and distributed. With progress in research, hydrogen is becoming a more viable alternative fuel.

Bond, Molly (Presidential Scholar)
1.8, 9:30, HFMA, Hull Lecture Hall
Spectators, Styles and Motivations: Byzantine to Baroque
Shaping Spectatorship in Art: A Study of Francesco Salviati’s “Scenes from the Life of the Virgin Mary
My research focuses on the series "Scenes from the Life of Virgin Mary" by Italian Mannerist painter Francesco Salviati. His representation of spectators with the frescoes of this series is highly unusual and virtually unprecedented. My study will therefore aim to clarify the theological and devotional implications of his choices in this regard, as well as locate this development within the larger context of meta-representations in Renaissance art.
ABSTRACTS

Boucher, Maggie
4.1, 2:00, Ford 301
Ways of Telling
Truth Under the Moon and Stars
While biographies are understudied, they are memorable and significant, especially for children (Vanderhaagen, 18). Regarding the life of Sojourner Truth, scholars have demonstrated that she tends to be viewed as an “invented great” (Painter, 480), and many biographies portray her life in different, and not necessarily truthful, ways. However, my children’s biography, “Truth Under the Moon and Stars,” tells her story as a girl born into slavery and her journey to becoming an influential African American and women’s rights activist by drawing on her autobiography, attempting to represent her life the way she would tell it today.

Brand, Julia
2.3, 11:10, Eaton 307
Studying Ourselves: A Critical Look at Willamette Students' Experiences and Beliefs
Studying Spaces: A Qualitative Study on the Experiences of First-Generation Students at Willamette University
The purpose of this study is to learn about the experiences of first-generation college students of color attending Willamette University. It specifically looks at the campus climates and spaces on the university’s campus where students feel supported and unsupported. A group of self-identified first-generation students of color were interviewed and asked to take photos of these spaces. The interviews were coded and a sociological analysis of the photographs were done. Limitations are discussed and recommendations for further research, as well as suggestions for how Willamette University might better support our first-generation students of color are included.

Brett, Jack; Fickas, Jordan; McCullough, Brendon; Troplent, Nicolas
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Vitamin D Vitamin D is essential for humans and is in certain foods. When the sun hits our skin, our body produces vitamin D. The two main types are D2 and D3. We will discuss a proper diet to get sufficient amounts of Vitamin D. The role of vitamin D in the body and its chemistry will also be discussed. It’s important to eat a vitamin D diet to prevent deficiency. A deficiency can be dangerous and cause multiple health problems. UV is converted from the sunlight reaching the skin and through the blood to derive the strongest form of vitamin D.

Brown, Hannah
6.1, 4:20, Eaton 209
Creative Writing Thesis
Cherry Blossoms Are Not Popcorn
As a part of a creative writing thesis course, our group has worked on individual creative projects ranging from translated myth, prose poetry structured by grief, short stories, and memoir texts. Each student will share an excerpt of their final product.

Bullen, Elliot; Butler, William; Kennaday, Mallory; Swen, Donald
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
The Chemistry and Applications of Carbon Nanotubes
The aim of this poster is to explain the vast potential carbon nanotubes (CNTs) have for the future. The poster will provide viewers with a detailed description of the chemistry surrounding CNTs, including its structure, various forms, synthesis/formation, as well as its thermal and electrical conductivity. Then it will go on to explain how, given its unique chemical characteristics, CNTs can be an integral part of numerous future developments in a wide variety of fields, specifically as a superior wire choice compared to copper as well as a potential drug delivery system.

Cain, Shannon
4.4, 3:10, Ford 122
Psychology Symposium
Ethnic Bias in the Classroom: How Teacher Expectations Influence Achievement
One important responsibility of teachers is assessing their students’ performance. Differences between students other than merit or aptitude may influence their teachers’ perception of their academic abilities,
ABSTRACTS

Weinstein, et al. (2004) claim that biased expectations of children alter their relationships with teachers, and the treatment they receive in school, which impacts their opportunities for achievement. The goal of this study is to assess if student ethnicity plays a role in teachers’ perception of student educational attainment, and if this accounts in part for differences in end of semester GPA.

Cenac, Michaela; Humphreys, Thelonious; Liband, Emma; Tokutomi, Erin
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Cooking on the Rise: The Chemistry Behind Chocolate Chip Cookies
In this project we examined the current understanding of the role of chemistry in baking cookies. Specifically we examined the leavening process, an acid-base reaction, which is primarily catalyzed chemically by baking soda and an acid. The roles of flour, sugar, and eggs aid the leavening process and are investigated to discover the impact on the texture and flavor of a cookie. Through this investigation we hope to better understand the chemistry behind baking cookies, and in doing so, be able to find the reason behind the preciseness of a cookie recipe.

Chadwick, Madeline
3.4, 12:50, Ford 122
Gender, Violence, and Questions of Justice
How to Get Away with Murder: Questioning assumptions of diminished Female Agency in cases of Genocidal and Domestic Violence
Given the increased normalization of gender equality and international humanitarian law, why are violent women not granted a gender-neutral range of agency? I examine how the concept of female agency has changed over time, how it differs between cases of mass versus domestic violence, and how it affects conviction rates and justice through the comparative case of female Nazis to contemporary international war criminals and US perpetrators of violence. My analysis focuses on the role of competing conceptions of female agency — a hyperactive agency where violent women are by nature transgressive or ‘monstrous’, a gender-neutral agency where violence is a calculated decision, or a deficient range of agency where oppression affects autonomy — and how they are selectively invoked in the media and judicial treatment of female perpetrators.

Chasteen, Arielle
Session 3.9, 12:50 Hudson Hall
Ensembles Concert
El Guayaboso
This presentation will be the culmination of my studies as a music major. I intend for it to reflect what I have learned as a conductor along with my own musicianship that I have cultivated in my personal life and in my professional studies at Willamette and other institutions. I will be conducting the Willamette Chamber Choir as they perform El Guayaboso (The Liar) by Guido López-Gavilán, which is a challenging, rhythmic guaguanco (a type of rumba, which is a Cuban dance). I hope this project will help launch me into my career as a high school choir director.

Chan, Boris; Gottuso, Samantha; Martinez, Maria Yasmin; Revelez, Dominic
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
The Chemistry of LSD
Lysergic acid diethylamide (LSD) is a powerful hallucinogenic drug that chemically alters how the brain processes information when ingested orally in liquid, gelatin, pill or paper form. LSD is distinguished from other hallucinogens by a unique diethylamine attached to the end of the molecule. LSD interacts by bonding to neurotransmitters in the brain and changes the chemical environment by introducing new compounds while breaking the chemical bonds of natural molecules. Chemical changes within the brain results in altered perception and behavior also known as hallucinations.

Chen, Meilin; Fensler, Michelle; Truong, Lina; Wang, Qiying;
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Air Pollution-Chlorofluorocarbons and Its Effect on Ozone Depletion
How could chlorofluorocarbon, a non-toxic, versatile compound cause ozone depletion on earth? Diatomic oxygen absorbs ultraviolet radiation, break apart into O atoms, then combines with O2 to form the ozone layer in the stratosphere of the earth. This ozone layer protects organisms and the environment from ultraviolet light. However, chlorine atoms in the CFCs react with ozone molecules, causing a chain reaction
which destroys the ozone layer. The increased exposure to ultraviolet light causes many health hazards to organisms. With more awareness of ozone layer destruction, researchers expect that with compliance to the Montreal Protocol, the ozone layer will heal by 2050 (EPA).

Chen, Sherry; Hanna, Darby; Moad, Kiara; Wittke, Bridget
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am. and 3.6, 12:50 pm
Solar Voltaic Paints
Ever since the early 1900s, solar energy has been emerging in popularity as an alternative way to create renewable energy. The idea of a "paint-on solar panel" using an illuminated organic dye appeared in the 1960s, when an electrically-charged current was passed through the cells of photovoltaic paint to capture the sun’s energy. Despite the usefulness of this technology, photovoltaic paint still has a low absorption rate and is only used in high-energy settings where electricity is scarce. We discuss the uses of photovoltaic paint, its chemical makeup, and its significance to society.

Chen, Timothy
2.3, 11:10, Eaton 307
Studying Ourselves: A Critical Look at Willamette Students Experiences and Beliefs
Factors of Fear on campus.
Safety and power in our society are closely tied. Those with power are often those who also feel safest. My research is focused on the feelings of safety of students at Willamette. The goal of this research is to discover the social factors that influence why different people feel safe in the same situations or places. I analyze interviews I have conducted with students to uncover the relationships between power and feelings of safety.

Cohen, Grace
1.8, 9:30, HFMA, Hull Lecture Hall
Spectators, Styles and Motivations: Byzantine to Baroque
"If It's Not Baroque: A Historiographical Approach to the Baroque Style through the Analysis of Francesco Borromini's Work"
Mannerist painter Francesco Salviati. His representation of spectators within the frescoes of this series is highly unusual and virtually unprecedented. My study will therefore aim to clarify the theological and devotional implications of his choices in this regard, as well as locate this development within the larger context of meta-representations in Renaissance art.

Cole, William; James, Alexander; Kaup, Maya
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am. and 3.6, 12:50 pm
Emulsifiers: The life of the party!
Emulsifiers play a vital role in today’s food industry, especially in baking. Emulsifiers stabilize emulsions, which are the mixture of two immiscible substances at the molecular level. They also provide for aeration and the prevention of loss of moisture in baked goods. Emulsifiers are able to perform these functions due to their special structures, which allow them to bind to both water and oil and prevent them from separating. This also allows them to help keep food from spoiling, since microbes (like fungi) cannot grow on oils. Emulsifiers provide for the breadth of foods and flavors we enjoy every day.

Crain, Derek
5.7, 3:10, Collins 201
Math and Methods in Physics
Single Photon Interference and Weak Quantum Measurement
An investigation of Single Photon Interference and demonstration of the quantum nature of light using a polarizing interferometer. This experiment uses counts of spontaneously downconverted photons separated according to their polarity in order to investigate interference. This is coupled with an examination of weak quantum measurement using a specially made weak quantum measurement device that uses glass slides with a known index of refraction at a given angle to observe the effects of weak measurement on single photon interference.

Croney, Alyson
2.8, 11:10, HFMA, Hull Lecture Hall
"Facets of Modernity:"
"Nudity and Gender Theory in Delacroix's Liberty Leading the People"
ABSTRACTS

My thesis will be looking at Delacroix’s “Liberty Leading the People” and examining what lead to Delacroix to paint the revolutionary image. I will also be comparing the two semi nude figures in order to cast light on the sexualization of Marianne and why her sexualization as an effect revolutionary tool.

Cullen, Laura
4.4, 3:10, Ford 122
Psychology Symposium
Associations between Pre-College, and College Friendships and Young Adults Authenticity after their First Year of College
This study investigated the relationship between having only pre-college friends, only college friends or both types of friendships on the dispositional authenticity of college aged students. One sample was comprised of students who all attended the same high school, and one sample came from students in Introduction to Psychology at a Liberal Arts University. Results revealed that different ways of thinking about authenticity was associated with higher levels of dispositional authenticity for people who reported friends from different locations. This research suggests the potential benefits to young adults of maintaining pre-college friendships as well as forming new friendships in college.

Damberg, Lucia
6.3, 4:20, Collins 205
Food movements
Building a Healthy Community One Tray at a Time
This project aims to understand the barriers to implementing healthy, local and sustainably produced food in school lunches. A case study analysis will look at Berkeley Unified School District (CA), Salem Keizer School District (OR), and Washburn School District (WI) in order to understand the similarities and obstacles these schools face. This project not only addresses the nutritional quality of the food, but also the effect of this on the community at large in regards to creating a new market for small farmers, while also strengthening communities.

Davis, Kayla; Moore, Carrie; Thorp, Kaeleigh
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
The Nearly All-Encompassing Maillard Reaction
While cooking is a fundamental part of everyday life, the chemistry behind it is often unknown or under appreciated. Certain chemical reactions are responsible for a wide variety of delicious outcomes, from the texture of fluffy desserts to the development of a crisp coating on tender meats. Our focus will be on one reaction in particular: the nearly all-encompassing Maillard reaction, which is the true key ingredient in a plethora of recipes. This reaction is the base for a wide variety of chemical changes in our food, making it responsible for many of the delectable chemical outcomes you already know and love.

Davison, Jessica
Session 2.10, 11:10 am, Putnam Theatre
Theatre Performances
The process of developing new theatrical works is so highly collaborative. Bringing together students of many majors and backgrounds, our project explores the process a play must endure in order to become performance. Beginning at inception of idea and culminating in the performance during SSRD in April, playwrights, directors, technitians, and actors will present 5 short, student-written works, with a short presentation on the overall experience seeing the work grow and change over time as more people became involved. (Several other students involved, I could not find room to include them in the application, feel free to email me for them!)

de Man, Jordan (Alex)
4.5, 2:00, Eaton 209
Our Bodies, Ourselves in 2015
Our Bodies, Our [Sex] Lives: Sex Education as a Social System
My thesis project is centered on a self-designed sexuality education curriculum that incorporates a broad range of issues contributing to our perceptions of bodies, identities, and sex intended to inspire students to reevaluate oppressive dominant ideologies. The overall intention of the thesis project is to provide a rationale for my proposed curriculum and situate the program in a theoretical and historical context. The thesis project will articulate how social systems, primarily consumer culture, shape our perceptions of bodies and selves. I will situate this work within a feminist framework illustrating multiple ways that larger social systems contribute to oppression, distort perceptions of bodies, and repress healthy sexuality. I will illustrate how pervasive and influential these systems are and why they must be acknowledged, challenged, and
unlearned. I propose that high school sexuality education programs should be utilized as a platform for critical thinking and deconstructing damaging aspects of our socialization.

DeBok, Christian
3.4, 12:50, Ford 122
Gender, Violence, and Questions of Justice
"We Are a Family": Drag Queens, Queer Relatedness, and Familial Love
With the popularity of reality television shows such as RuPaul's Drag Race, drag queens have slowly become exposed to the mainstream. Yet, the structures and institutions of drag queens are radically different than that of heterosexual, mainstream America. This paper explores how drag queens express and practice symbolic forms of kinship that both replicate and subvert heteronormative concepts of "family," examining the reasons and benefits of these structures and how they are practiced and implemented.

DeLong, Joelle
5.5, 3:10, Collins 205
Controlling Life and Death
Designing Death: A Contemporary Anthropological Analysis of Biomedicine and End-of-Life Options in America
Western culture values autonomy and creative individualism, sometimes at odds with the structural influences of religious institutions and legal and bureaucratic systems that American society was founded upon. I propose that biomedical knowledge and the ways technology is implemented at the end-of-life have fundamentally changed "American" cultural meanings and practices associated with death and dying, thus redefining the end-of-life options that are available. I will demonstrate that the legal and medical alternatives in end-of-life care are not sufficient to satisfy diverse agentic, emotional, or physical needs. In particular, Access to alternatives such as assisted death confirms patterns of social stratification in American society.

DiNatale, Emely; Keller, Ben; Robinson, Ian; Xu, Mo
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Cocaine in the Brain
Cocaine has been used medically since 3000 BC by the Inca. Beginning in the 1800's cocaine was used in western civilization for medical practices. Over time cocaine was introduced as a street drug. Today, highly diluted cocaine is used in certain medical procedures helping to reduce swelling. It is also the second highest trafficked drug internationally. Cocaine's enzymatic processes during uptake and its effects on the body will be discussed. In addition, the mechanism by which the user achieves a "high" form the drug will be explored. Cocaine is a powerful drug that leads to liver, respiratory and neurological failure.

Douglass, Pauline
5.8, 3:10, HFMA, Hull Lecture Hall
Contemporary Problems and Puzzles, Part 2
Queer Culture History Seen Through Art
My thesis will analyze queer culture through art and how it has changed over time. I will also be looking at artists in which their identities correspond with the art they make and take a biographical approach to their works. Although I will be using specific artworks to provide evidence with one of the earliest disciplines to show queer culture, especially gay and lesbian studies, I will be writing mainly a theoretical thesis looking more at theory as to when it began to emerge, how it was accepted or rejected and how it continues still to change over time.

Ellis, Madelynn; Hokanson, Karin; Mancl, Olivia; Mortimer, Sebastian
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Fun with Fungi: Unmasking the Hidden Treasures of Psilocybin in Magic Mushrooms
Psilocybin and its dephosphorylated metabolite Psilocin are present in many families of mushroom. These fungi have been ingested since 1000 BCE in religious rituals but popularity of these hallucinogenic mushrooms in the 1960s led to it being classified as a schedule 1 drug. Since the 1990s research has shown its potential for therapeutic use. The chemistry of psilocybin metabolism on biochemistry within the body will be presented. The psychedelic effects, and the source of these effects, will also be discussed. Finally, some of the myths surrounding psychedelics, and the relation of these myths to actual data will be addressed.
ABSTRACTS

Faulstich, Kyra; Fritsch, Nathan; McConachie, Jaime; Todd, Brian
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Haber-Bosch Nitrogen Fixation Process
"Plant food," urea, ammonium nitrate, and ammonia, supports the world's agriculture. Each of these compounds are derived from synthetic ammonia produced through the Haber-Bosch process. The Haber-Bosch process was discovered in 1909 by German chemist Fritz Haber and commercialized by the BASF company's research director, Carl Bosch. The process shifts the equilibrium of reacting diatomic nitrogen and diatomic hydrogen to form ammonia toward the products through some ingenious and lucky chemical discoveries that will be presented. The fascinating historical context and current day impacts will also be explored in detail.

Fessler, Mason; Hewage, Navi; Luther, David; Malana, Antonio
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
A Study of the Chemistry and Impact of Fireworks
Our research will focus on the chemical composition of fireworks and the general contents of a basic firework. We will explore how the essential components of fireworks and their elemental structures determine the different colors that fireworks produce. The two main chemical reactions that we are discussing in a firework are combustion of black powder and thermal excitation of electrons in metallic atoms. We will additionally discuss the negative effects that fireworks have on the environment such as contributing to air pollution and causing respiratory diseases.

Fischberg, Benjamin
3.5, 12:50, Eaton 211
Culture and History in the US
Church, State, and Culture: American Civil Religion and Separation of Church and State in the Early 19th Century
In this mostly historical and partially sociological examination of separation of church and state in the United States of America, I look at the phenomenon of civil religion and how it was invoked in the early 19th century by competing public figures to endorse or limit evangelical involvement in American politics. In particular, I will be examining the Sunday Mails Controversy and the rising cultural war between evangelicals from the Second Great Awakening and the Jacksonian Democrats.

Fong, Aaron; Fujikawa, Kathryn; Markey, Madison; Miyakawa, Kristi; Rosaro, Alyssa Jane
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
What the Frack!
Companies have been looking into alternative sources of energy in addition to oil. Instead of relying on renewable energy, however, they have been investing in extracting natural gases out of the ground through the process of hydraulic fracturing (fracking). As a result of this mining process, methane escapes into the environment as a waste product. Methane is a greenhouse gas that traps 40% more heat than carbon dioxide causing an overall increase in atmospheric temperature. As a major contributor to climate change, it poses a threat to the the existing conditions of ecosystems and the quality of life.

Foster, Michaelanne
1.8, 9:30, HFMA, Hull Lecture Hall
Spectators, Styles and Motivations: Byzantine to Baroque
Images Made Without Hands: Understanding Iconoclasm by Analyzing its Most Powerful Icons
This paper analyzes the justifications and oppositions of Byzantine Iconoclasm through the lens of a specific icon: The Holy Face. Because of its powerful status as an acheiropoietai—an image made without hands, by miraculous means—the Holy Face reveals specific psychological and philosophical motivations for Iconoclasm that go beyond traditional explanations.

Fowler, Caroline; Glazer, Jake; Greer, Meredith; Hernandez, Kenia
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Five Active Ingredients of Laundry Detergent
This project will detail the chemistry of laundry detergents and the processes by which these chemicals work as cleaners. Our poster will focus on five primary active cleaning agents of laundry detergent. First, surfactant is responsible for wetting fabric, loosening and emulsifying soils, and keeping them suspended in solution. Next, builders enhance the action of surfactant while Alkalis raise the pH of the water. Enzymes are
ABSTRACTS

catalysts responsible for stain removal and fabric care, and fabric softeners reduce static and crinkling and increase softness using their cationic surfaces to create a layer of molecules on the surface of the fabric

Fredendall, Anna
3.3, 12:50, Eaton 307
Sense, Censorship, Surveillance
Surveillance Through Snail Mail: Power in Epistolary Novels
This presentation applies a Foucauldian lens to Samuel Richardson’s Pamela: Or Virtue Rewarded and Stephen Chbosky’s Perks of Being A Wallflower in order to unpack how characters whose identities would typically result in their historical disempowerment were able to gain visibility and power. It will apply Foucault’s conceptions of power and surveillance both to their roles within their novels, and to the way that epistolary form impacts their narrative power.

Fusek, Alyssa
3.1, 12:50 pm, Ford 204
Asian Language and Culture
Beyond Blood: A Policy Analysis on Parental Rights in Japan’s Alternative Child Care Systems
This project encapsulates a sociocultural analysis on three policies crucial to Japan’s child welfare system, particularly in regards to children placed in alternative care. The objective was to understand whether these policies are biased in favor of maintaining emotional and legal ties between a child and his/her biological parent(s). Much of the focus will be on examining how Japan’s sociocultural emphasis on blood relationships and family lineage effects how the policies are written and carried out, if they are at all. The results will be revealed and discussed.

Garcia Perez, Grecia E.
5.3, 3:10, Ford 102
Building Bridges
Building Bridges: The Inclusion of Latino Parents in a College Access Program
Building Bridges is part of a research evaluation conducted in collaboration with the University Scholars Program (USP), a college access program. We analyze the USP’s practices, identifying areas of strength and areas to strengthen to better serve its participants. The analysis focuses on the participants’ experiences at USP, parents’ perceptions of USP’s influence on them, and the knowledge that has been transmitted from USP to them. This research seeks to contribute to the existing literature on parent engagement in college access programs by exploring Latina/o parent experiences, their challenges to inclusion, role perception and development of social capital.

Geiszler, Alex
2.8, 11:10, HFMA, Hull Lecture Hall
"Facets of Modernity:"
Woodcuts of the World Wars
I will be drawing an analysis of woodcut prints pertaining to WWII from American, German, and Japanese contexts. By doing so I hope to correlate and articulate the relationship of the formal and symbolic qualities presented in this context. This study is the foundation for a greater analysis that juxtaposes philosophy and aesthetics that I hope to continue in the future, or perhaps touch upon conceptually for my thesis.

Glantz, Hayley
4.7, 2:00, Collins 201
Microbiota of Culex Mosquitoes
Exploring Gut Microbial Communities of Culex in Salem, Oregon
Microbes in the guts of vector mosquitos, such as Culex spp., can impact transmission of human pathogens. To better understand mosquito gut microbial diversity, local Culex mosquitos were trapped and bacteria cultured from them on both general and selective media. Subsets of bacterial cultures with unique colonies were selected for 16S rRNA gene PCR to identify the bacterial species found in these Culex mosquitos. Identifying the bacterial diversity in these mosquitos might help to control vector borne diseases they may carry.

Goodrich-Gray, Aria
2.3, 11:10, Eaton 307
Studying Ourselves: A Critical Look at Willamette Students Experiences and Beliefs
Symbolism and Implications of Age and Sex: Contextualizing and Communicating about Age-Gaped Relationships
ABSTRACTS

I will be looking at how undergrad students interpret and communicate symbols of age and sex. Specifically, I will be looking at the intersectionality of ageism and sexism through the example of age-gaped relationships. The example of age-gaped relationships (e.g. older woman and younger man, older man and younger, etc.) is useful and beneficial for studying ageism and sexism because it begs for delicate explanation and understanding. Moreover, by focusing on age-gaped relationships I hope to reveal where alienation and oppression occur as a result of the interpretation of these rhetorics and symbols.

Goodwin, Graham
5.6, 3:10, Eaton 106
Reading ancient artifacts
Elemental Characterization of Roman Imperial Coinage from the Hallie Ford Museum (Salem, Oregon, USA)
Using Portable X-ray Fluorescence
Earlier numismatic studies have criticized portable X-Ray Fluorescence (pXRF) analysis for characterizing ancient coins because pXRF only analyzes the elemental composition of a coin's surface. Surface corrosion of metals may show a higher percentage of silver or gold on the coin's surface than in its non-corroded interior. The first-ever pXRF analysis of 25 Roman Imperial coins in the McIntyre Collection of the Hallie Ford Museum of Art, Salem, Oregon, however, shows that this technique, even with these limitations, has a number of interesting uses. This study suggests that pXRF is a more useful, analytical tool for providing valuable contextual data in the study of ancient coins than previously thought.

Grauberger, Jennifer
Session 3.6, 12:50 pm, Collins 205
Independent and Sponsored Research in STEM
Entropy of Activation Determination of the First Aquation Step of the Antimetastatic Drug NAMI-A
The New Anti-tumor Metastasis Inhibitor, NAMI-A [{trans-Ru(III)Cl4(dmso)(Im)}(ImH)] is a ruthenium-based drug that has been shown to possess robust and selective antimitastatic properties. However, its exact mechanism of action is unknown. The focus of this investigation, therefore, was to determine the mechanism by which NAMI-A undergoes aquation in physiological conditions, which may provide insight into the subsequent biological mechanism of this drug to develop novel chemotherapies. Variable temperature proton nuclear magnetic resonance spectroscopy was used over a range of temperatures (25-37 °C) at physiological pH to monitor the rate of aquation. The results of this investigation will be revealed and discussed.

Griswold, Tyler
2.2, 11:10, Eaton 209
College Colloquium Student Research Grants 2014-2015
Changing Ableist Views Within Medicine: Educating with Music (Pariah: Asylum Fury)
Disabilities in Literature and Culture Colloquium
An in depth look into the use of music to influence societal change around disability representation. The multifaceted project includes a 16 track album created entirely by myself to explain the present and past treatment of those who with mental impairments. Lyrical analysis of a few select tracks will help showcase the intersection of activism and music.

Grover, Shalini; Houska, Brie; Kronkow, Anna
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Prozac
Prozac, a selective serotonin reuptake inhibitor (SSRI), is a widely prescribed medicine for depression and anxiety disorders. It blocks the reuptake of serotonin, a neurotransmitter involved in emotion, boosting mood levels. Due to its versatility, including the fact it can be prescribed to young children, several million prescribers consume it—making the World Health Organization list it as an essential medicine. The drug has also caused debates over the prevalence of suicidal and aggression side effects. The ubiquity of Prozac all comes down to its unique chemical and physical properties and how it transforms the brain.

Gurnee, Nalani; Li, Jeremy; Stirrat, Furey; Wilson, Sierra
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
High Fructose Corn Syrup – Effects on Health
Although high fructose corn syrup was initially developed five decades ago, it is only in the last couple of decades that it has been considered a controversial substitute for table sugar (sucrose). High fructose corn syrup has recently been linked to increases in health complications such as obesity and diabetes. Much debate remains as to whether or not high fructose corn syrup is, in fact, detrimental to our health, due to its
underlying biochemistry or due to consumers neglecting to monitor their own caloric intake. Our research aims to debunk the myths surrounding the consumption of high fructose corn syrup.

**Gust, Charleen**

*4.4, 3:10, Ford 122*

**Psychology Symposium**

Personality Traits in Everyday Life: How Situational Characteristics Relate to Trait-Relevant Behavior Across Adulthood

Whereas a substantial amount of research has investigated intraindividual variability in the Big Five personality traits, few studies have considered how characteristic aspects of situations affect an individual’s trait levels. The current project examines how four different situational aspects affect the average trait levels across three age groups: young, middle-aged, and older adults. In two studies, participants completed reports on palm pilots 4-5 times per day. Results indicate that the effect that some situational features have on Big Five trait levels is significantly different between groups.

**Hania, Marien**

*2.2, 11:11, Eaton 209*

**College Colloquium Student Research Grants 2014-2015**

A Tale of Two Homelands: The Story of a Belgian American (A Tale From the Top of the Calendar)

According to Gloria Anzaldúa, the Borderlands are “physically present wherever two or more cultures edge each other.” The United States is diversifying, and increasingly, children are growing up in multicultural homes and communities. Yet, some children feel burdened and marginalized by their multicultural upbringing, feeling forced to choose between cultures. I set out to share the creation of my own Borderlands, a place of cultural coexistence; and with the help of characters Lucidius and Elory, suggest a path to constructing one’s own Borderlands. In this project I wrote a children’s chapter book that explores multicultural upbringings as a “gift” of multiple perspectives.

**Harlan, Madyson; Navarro, Mariana; Roberts, Madison; Thorn, Catherine**

**SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY**

Session 2.6, 11:10 am, and 3.6, 12:50 pm

Structure and Function of Vitamin D in Relation to Seasonal Affective Disorder

Seasonal affective disorder is a prevalent condition among many people. SAD is considered to be a serious form of depression that greatly impacts the well-being of patients. Our presentation will cover the chemistry of two hypotheses in order to ascertain which one is more supported by chemistry. The first hypothesis is that a decrease in sunlight exposure interferes with the body’s biological clock. The second hypothesis is that a decrease in sunlight creates an imbalance in neurotransmitters. Vitamin D3 is a component of sunlight which is essential in maintaining a proper homeostatic balance within the body.

**Hayes, Rebecca**

*4.3, 2:00, Ford 102*

A look at civil rights at the local, state and federal level for underrepresented communities through the lenses of advocacy organizations in Hood River, Oregon, labor laws, wage theft and sexual violence in the workplace in Oregon and statewide variance

On the Road Again: Explaining statewide variance in driver’s license policies for undocumented immigrants Senior Politics A look at civil rights at the local, state and federal level for underrepresented communities through the lenses of advocacy organizations in Hood River, Oregon, labor laws, wage theft and sexual violence in the workplace in Oregon and statewide variance in driver’s license policy.

**Hechtman, Nathan; Henderson, Jordon; Linvill, Matthew; Roush, Elsa**

**SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY**

Session 2.6, 11:10 am, and 3.6, 12:50 pm

Superconductivity within the field of Magnetic Resonance Imaging (MRI)

Superconductors, ceramic materials cooled to a state of zero electrical resistance, are utilized for their conductive and magnetic properties for a variety of purposes. In our investigation we will examine the impact of superconductors on magnetic resonance imaging (MRI) machines. MRI’s create a magnetic field with a superconductive magnet which selectively manipulates the precession of protons in water and fat molecules inside the body. The machine then senses and interprets the radio signals released from the procession of the protons. The MRI is able to detect the proton densities within the tissue, and use a magnetic gradient to scan it and form an image that can accurately map the targeted area.
Hernandez, Maria  
4.3, 2:00, Ford 102  
A look at civil rights at the local, state and federal level for underrepresented communities through the lenses of advocacy organizations in Hood River, Oregon, labor laws, wage theft and sexual violence in the workplace in Oregon and statewide variance  

Wage Theft and Sexual Violence in the Workplace  
This project analyzes how labor laws have served as a tool for those in power to control Latina migrant low-wage workers, thus prohibiting them to report abuses of wage theft and sexual abuse in the workplace. Despite labor laws in place, there is a discrepancy of who these laws actually serve and in what ways. I argue that through law, Latina migrant women tend to become subjects, objects and citizens at the same time, depending on what seems more politically and economically expedient for the United States. Through the use of previous research, interviews will support the pressing issue of wage theft and sexual violence in the workplace.

Higashida, Adrienne  
1.2, 9:30, Ford 102  
Asian Language and Culture  
Cannabis in Japan: Law Reconsidered  
Since the Paleolithic time till World War II, the Japanese used the cannabis plant in various ways in their everyday lives. Some scholars believe that it was an important plant because of its incorporation in multiple rites in Shintoism and Buddhism. During the American Occupation, the Cannabis Law was created. Although the Japanese were not abusing cannabis as a stimulant, why was it included in the law? Was the law the main factor that caused people to change their image of Hemp, or was the law the beginning reason that shaped the Japanese cultural morals?

Irons, Courtney  
2.5, 11:10 am, Eaton 106  
Moderator: TBD  
Thoughts on Islamic Terrorism  
Islamophobia and the Creation of the Torture Subject  
My presentation will explore the shift in public opinion following 9/11 from disapproval to support of the use of torture in interrogation practices. I will argue that the Bush Administration propagated an Islamophobia that equated Muslims with "terrorists". This dehumanization formed subjects whose bodies became the site upon which to inflict self-justified violence.

Jonas, Emma  
6.1, 4:20, Eaton 209  
Creative Writing  
Iotas  
These are pieces in a series of short form works, including both flash fiction and prose poetry, thematically centered on (mis)communication and (mis)understanding. They rely on moments of character revelation, juxtapositional imagery, and simple language.

Kalugin, Katie  
4.2, 2:00, Eaton 106  
Beyond Millenial Cynicism  
American Politics, Millennials, and New Media: An Interactive and Personal Approach to Political Engagement  
When it comes to political engagement in the United States, the Millennial generation has received a bad reputation for being apathetic, uninterested, and disengaged citizens. The aim of my thesis is to challenge this discourse about Millennials in the attempt to reveal how this cohort has altered the definition of political participation within the context of contemporary America. This study will also uncover the issues that concern their generation and motivate them to participate in civics. My research will seek to comprehend the potential impact that Millennials have on social change and policy implementation in the United States.

Kastner, Mele Ana  
4.1, 2:00, Ford 301  
Ways of Telling  
Le Littéra’ohi: French Polynesian Literature and French Colonialism in the South Pacific  
The Polynesian people have had a long tradition of storytelling. Myths, legends, chants, and songs on anything from wars to exploration to love and even the mundane chores of life have been passed down from
ABSTRACTS

one generation to the next. The Littérama’ōhi is the continuation of this tradition. It is the "literature of the people" and serves to help make sense of the post-colonial world in which French Polynesia has found itself. It is the French Polynesians' attempt to secure a place for their culture while moving forward in an era of globalization.

Kawana, Jessica
3.6, 12:50, Collins 205
Independent and Sponsored Research in STEM
Veto Interval Graphs
Given a set $S$ of intervals on the real line, we can construct a graph with a vertex for each interval in $S$, and an edge between two vertices if and only if their corresponding intervals intersect. Conversely, given a graph $G$, $G$ is an interval graph if it has such a representation. We define a variation of interval graphs called veto interval graphs, where each interval contains a veto mark, and two intervals do not count as intersecting if either contains the veto mark of the other. We explore properties of veto interval graphs and their relation to other classes of geometric intersection graphs.

Kobyłka, Jack; Main, Liam; Reese, Alyssa; Swanson, Hannah; Tichenor, Kenya
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Application of Lasers in Medicine
Our poster will discuss the science and technology behind the laser, specifically uses in the medical field. Lasers have been an innovative part of the medical industry, revolutionizing surgeries and opening doors to new treatments for disease. They have the ability to correct vision through LASIK eye surgery, treat cancers, and administer drugs to patients. Our presentation will explore, in depth, the ways in which lasers are able to achieve this incredible versatility.

Kohashiguchi, Kurumi
2.1, 11:10, Ford 102
Analyzing the Media: Race, Class, Gender and Cultural Representations across several genres of media
Consumer Culture in the U.S. and Japan Seen Through TV Commercials
Advertisements are the most direct way of communication between a corporation and their potential customers. What do they tell about consumer culture? This research adopts contents analysis of TV commercials and comparative study of consumer cultures between the U.S. and Japan in order to explore how TV advertisements reflect traits of contemporary consumer culture. By adopting these methods, this paper demonstrates that traits of consumer culture are expressed in TV commercials.

Kroner Dale, Maximilian
5.4, 2:00, Ford Lobby
Psychology Poster Session
Previous research has demonstrated that Connectedness to Nature (CNS) and Environmental Behavior (EB) are both correlated with the Big Five trait of Openness to Experience in U.S. students. This project cross-culturally extends previous work in three ways. First, we investigated whether there were differences in self-reported CNS and EB scores between Japanese students (N=93) and U.S. students (N=133). Second, we examined if Openness to Experience was as strong a predictor of CNS and EB in Japanese students. Finally, we tested whether or not these measures were related to two aspects of adjustment: Life Satisfaction and Self-Esteem.

Kubitz, Elizabeth
3.2, 12:50, Ford 102
Traffic in Women
The Chilling Truth: Understanding the High Rates of Rape Perpetrated Against Indigenous Women in Alaska
This study explores and seeks to explain the factors that contribute to the high rates of rape perpetrated against Alaska Native women in the State of Alaska. In order to determine the factors that explain why Alaska is the national epicenter for rape, this study compares Alaska to states of varying indigenous populations and varying rape rates. Those states are: New Mexico, Vermont, Oregon, and New Hampshire. By seeing where Alaska compares to other states, this study attempts to answer questions surrounding the abnormality of Alaska and its rape statistics.
ABSTRACTS

Lacy, Katherine
1.5, 9:30am, Ford 201
Elliptic Curves
This session features presentations on Elliptic Curves from a Mathematics Senior Seminar course.

Lau, Marissa
1.2, 9:30, Ford 102
Asian Language and Culture
Glass Ceilings: Setbacks for Japanese Working Women
This presentation will explore the question of why women who pursue careers over family life or successfully balance their jobs and child rearing cannot advance into leadership positions as quickly or frequently as men do within Japanese companies. This presentation also seeks to identify specific social systems or societal norms in place in Japanese society that prevent working women from advancing into leadership positions within companies. This presentation will also analyze policies the government has created to address this issue and their effectiveness as well as how workplace inequality affects the careers and motivations of these two groups of women.

Lay, Victoria
3.1, 12:50, Ford 204
Asian Language and Culture
Zhang Ziyi: A Transnational Star Mirroring the Change of Public Image of Chinese in Film
This study explores the challenges and opportunities that face transnational stars, specifically focusing on Chinese actress, Zhang Ziyi. Based on scholars’ research and theories on gender and race in transnational media, I do textual analysis of Zhang’s roles in The Road Home (1999), Crouching Tiger, Hidden Dragon (2000), Rush Hour 2 (2001), and Memoirs of a Geisha (2005) to reveal how Zhang Ziyi self represents herself through acts of resistance towards issues of stereotypes, mixed reviews, and limitations in both media and how those challenges have influenced her decision to stay in her home country instead of in Hollywood.

Lewis, Adam
3.5, 12:50, Eaton 211
Culture and History in the US
American Evil: The Legacy of the 2002 State of the Union address
The devil is alive and well in American politics. In this analysis, I seek to find which political theory of evil guided (if implicitly) George W. Bush’s demonization of the 9/11 terrorists in the 2002 State of the Union Address, and how that theory of evil explains the United States’ political response to 9/11. I conclude that no theory of political evil alone adequately explains the United States’ response to 9/11. Rather, Bush’s invocation of evil represents a new political theory of evil, one that is distinctly and exceptionally American.

Lewis, Jeff
6.2, 4:20, Eaton 105
Questions of Meaning
Searching for the true meaning of the U.S. Constitution
The question of my presentation: how true claims about what the United States of America’s Constitution means is possible. What makes an interpretation of the meaning of the Constitution true? My aim is to show the importance of this question, and consider ways of understanding and solving the problem where the fields of philosophy of law and philosophy of language meet. Theories to consider: formalism; ruleskepticism; descriptivism; conservatism; progressivism; semantics; and foundational theories of meaning.

Macaluso-Green, Hannah
4.8, 2:00, HFMA, Hull Lecture Hall
Contemporary Problems and Puzzles, Part 1
“Artist as Model: Subjectivity and the Self in the Art of Bas Jan Ader and Ger van Elk from 1969-1975
My thesis will explore the contributions of Dutch artists Bas Jan Ader and Ger van Elk to the conceptual art movement, more specifically to the post-structuralist discourses of subjectivity and the self during the 1960’s and 1970’s. Bas Jan Ader and Ger van Elk claimed the identities of both model and artist in much of their art between 1969 and 1975, particularly in photographic and film works, a fact that has theoretical significance in relation to art and art history’s enduring investigation of authorship and subjectivity. I will explore and expand upon the comparatively lesser-known works of Ger van Elk, using existing scholarship on Bas Jan Ader as framework to analyze the contributions of both artists to the practice of art and critical thought during this time period.
ABSTRACTS

Mancl, Olivia
2.2, 11:10, Eaton 209
College Colloquium Student Research Grants 2014-2015
Whitman’s Chicken’s; A Willamette Colloquium Grant Experience
A presentation on a life altering Willamette Colloquium Grant research experience; a reflection on a summer filled with personal growth, chicken feces, quarter sized blueberries and new insight into Walt Whitman and what he has to teach us about our communion with the earth. A summary of my reflective piece titled "Whitman’s Chickens," which integrates my experience working on an organic farm, Walt Whitman, Humboldt’s "Kosmos" and the Gaia Hypothesis.

Manhardt, Annemarie
1.3, 9:30, Eaton 211
Public Spaces as sites of the construction of social meanings: A look at classrooms, Hooters, coffee shops and the city of Salem
The practice of crime mapping has evolved from pushpins and paper maps to the use of Geographic Information System (GIS) software, which allows analysts to create interactive digital maps combining crime rates, demographic information, and spatial data. While police departments have embraced this technology, the practice of designating certain neighborhoods as “high crime” can have problematic implications. Utilizing GIS, I have constructed a crime and community map of Salem, which has provided me with deeper insight into the strengths and limitations inherent to visual displays of criminal activity.

Manoukian, Elize
5.2, 3:10, Ford 201
Examining Human Values
Wolf-watching
This paper explores how the symbolic creation of wolves can reflect changes in human values. These shifts in meaning are assigned to the wolf, and inform our relationship to its wolf species. The consequence of this, often diametrically opposed, relationship to wolves is that nature—how humans understand and relate to this idea—reflects our own anxieties, desires, expectations and self-expressions. Testing three images of wolves—the case of Japan’s wolves, wolves in the mind of the American pioneer, and the story of OR 7, an individual wolf on a journey through the modern West coast, for changes in specific human values enables possibilities for emancipating and transgressive human knowledge of our own nature.

Marsella, Kate
2.8, 11:10, HFMA, Hull Lecture Hall
"Facets of Modernity:"
The Impressionists’ Dealer: A Marxist Analysis of Durand-Ruel’s Career
This paper will examine the dealer-artist relationship within the French Impressionist movement on the late nineteenth century, with specific case studies involving the highly influential dealer, Paul Durand-Ruel. Through my research, I will observe changes in the types of artwork produced by French Impressionists and attempt to describe the implications of the shifting paradigm of authority from the French Academy to the independent dealer and commodification of art objects on the art market and the shaping of the collective taste in late-nineteenth and early-twentieth century art world.

Martinez, Samantha
4.5, 2:00, Eaton 209
Our Bodies, Ourselves in 2015
Sex Wars: A Defense of Feminist Pornography
The following paper is an exploration of the theoretical arguments regarding feminist pornography. Utilizing the sex-positive and anti-pornography feminist lens, it is argued that feminist pornography differs from patriarchal pornography in a positive manner, demonstrated by key differences in the issues of power dynamics, consent, and objectification. Feminist pornography is a preferable alternative to patriarchal pornography, but still perpetuates a culture of women’s bodies as a consumable good, which carries weighty implications for feminism and the women’s civil rights movement.

McFarland, Caroline
3.2, 12:50, Ford 102
Traffic in Women
Muteness and Mutillation in Titus Andronicus
ABSTRACTS

I explore the functions of mutilation and muteness as representations of the loss of agency and power in William Shakespeare’s gruesome revenge tragedy Titus Andronicus. This study focuses on the character pairings of Lavinia & Tamora and Titus & Aaron as well as the setting of Rome itself personified as muted and mutilated by politics and the aftermath of war. Analysis of these aspects of the play will be focused around the theoretical work of Feminist Theorist Hélène Cixous and Trauma Theorist Judith Herman as well as numerous Shakespearean scholars.

Martushev, Thonia; Puckett, Hannah; Sparks, Jewell; Walker, Kelsey

SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm

Baking Soda and Pastries
The goal of this experiment is to find the role baking soda plays in the baking of chocolate chip cookies. The only variable between the four batches of cookies is the varying amount of baking soda used. In each batch of cooked cookies, the average diameter, average height, and consistency of each cookie were measured. Also, any change in the overall shape and taste of the cookies between the batches were recorded. The results from these experiments will be used to help educate bakers of all skill levels about the impacts of baking soda.

Means, Aubrey

Episodes of Exclusion
La Tragedie des Harkis (The Tragedy of the Harkis)
This presentation examines the consequences of the tragedy of the Harkis, a group of soldiers who fought alongside the French army in the Algerian War for independence (1954-1962). These Algerian soldiers were considered traitors by their own countrymen after the war, and so escaped to France only to be placed in virtual concentration camps well into the 1970s in an attempt by the French to separate the former colonial people from French society. Here I examine the circumstances in which the Harkis found themselves during and after the war, the social and political changes that occurred with subsequent generations, and ultimately the effect this period has had on the current dilemmas in France dealing with immigration and cultural diversity.

Mendez Packer, Maddie

Contemporary Problems and Puzzles, Part 1
Ana Mendieta: Challenging Phallogocentric Vernacular
I will be discussing how artist Ana Mendieta's ephemeral body track and silhouette works challenge the phallocentric vernacular that has been constructed by the patriarchy, and traditionally utilized by the discipline of art history, which has contributed to the subordination of women. I will explore this through a critical dissection of post-structuralist thinker, Helene Cixous’ infamous essay, “The Laugh of the Medusa” as well as art critic, Lucy Lippard’s, “From the Center: Feminist Essays on Women’s Art.

Merwin, Meghan

Psychology Poster Session
Changes in Big Five Personality Traits of Japanese Students Across the Study Abroad Experience
Although research has been done on personality change during college years, a surprisingly small portion of this research has been dedicated to changes during the study abroad experience. The current project examined the shift in the Big Five personality traits of Japanese students (N= 100) across a year in the US. Two aspects of change were examined. We hypothesized a mean-level increase in Extraversion and Openness and a decrease in Conscientiousness. For the second type of change, rank-order stability, we hypothesized higher stability in Openness and lower stability in Neuroticism than in non-study abroad samples.

Miller, Emily (Presidential Scholar)

Student Scholars
Redox Active Chitosan Derivatives
Novel polysaccharide-antioxidant conjugates, that take advantage of the pharmacologic properties of the small molecule antioxidants and solubility of the polysaccharide backbone, have potential utility as therapeutics to prevent cellular damage caused by reactive oxygen species. The synthesis and assay of antioxidant ability are completed in this project.
Montemayor, Madison
5.4, 2:00, Ford Lobby
Psychology Poster Sessions
Changes in Big Five Personality Traits of Japanese Students Across the Study Abroad Experience
Although research has been done on personality change during college years, a surprisingly small portion of this research has been dedicated to changes during the study abroad experience. The current project examined the shift in the Big Five personality traits of Japanese students (N=100) across a year in the US. Two aspects of change were examined. We hypothesized a mean-level increase in Extraversion and Openness and a decrease in Conscientiousness. For the second type of change, rank-order stability, we hypothesized higher stability in Openness and lower stability in Neuroticism than in non-study abroad sample.

Mow, Benjamin
5.7, 3:10, Collins 201
Physics seniors
Observation and Analysis of GSC 03144-00595: an understudied pulsating star
Using data collected over the summer of 2014, this study analyzed the pulsation modes of the pulsating star GSC 03144-00595 (CYGVAR). The pulsations of CYGVAR were previously studied in 2011 by Ulusoy et al. and by Watkins and Reinhart at Willamette University. Three independent pulsation frequencies were found, along with a number of combination frequencies, suggesting that CYGVAR may be one of only a few known stars that pulsate in three radial modes. The aim of this study was to determine the present frequencies and amplitudes of pulsation of CYGVAR, both to look for evolution since 2011 and to help determine the classification of the pulsation modes, which are currently controversial. Frequencies and amplitudes obtained in this study show differences from those obtained by Ulusoy et al. and Watkins and Reinhart, suggesting a positive detection of evolution of this star. Period ratios are also in close agreement to accepted values for triple mode pulsators, indicating that CYGVAR may be the fifth known triple mode pulsating star.

Mustful, Alyssa; Reay, Madeleine; Kallem, Till
SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY
Session 2.6, 11:10 am, and 3.6, 12:50 pm
Synthesis, Engineering, and Function of Mesalamine: 5-Aminosalicylic Acid
Not often can a green chemical process produce a functional, smart, and multifaceted drug which treats a serious condition. The synthesis of 5-aminosalicylic acid, also known as mesalamine, fulfills this. Our presentation explains the underlying chemistry behind the surprisingly environmentally friendly synthesis of 5-aminosalicylic acid as well as chemistry and biology that allows this drug to deliver and effectively suppress chronic inflammation of two autoimmune disorders of the digestive system, known as Irritable Bowel Disease. The prevalence of such autoimmune disorders is increasing and with no known cure, this green drug is a desperately needed crutch for the suffering population.

Neshyba, Anna
5.4, 2:00, Ford Lobby
Psychology Poster Session
Previous research has demonstrated that Connectedness to Nature (CNS) and Environmental Behavior (EB) are both correlated with the Big Five trait of Openness to Experience in U.S. students. This project cross-culturally extends previous work in three ways. First, we investigated whether there were differences in self-reported CNS and EB scores between Japanese students (N=93) and U.S. students (N=133). Second, we examined if Openness to Experience was as strong a predictor of CNS and EB in Japanese students. Finally, we tested whether or not these measures were related to two aspects of adjustment: Life Satisfaction and Self-Esteem.

Neubauer, Courtney
4.5, 2:00, Eaton 209
Our Bodies, Ourselves in 2015
“An Ugly Intervention: Ugly and the Women’s Health Movement”
I intervene in the “Body Image” section of the Boston Women’s Health Collective 2012 publication of Our Bodies Ourselves. I utilize the “Body Image” section as an entry point into a conversation of the ways continued focus on beauty limits the possibilities of the Women’s Health Movement while instead advocating a focus on Ugly to imagine new outcomes. To bring focus to Ugly is not to reclaim it, but instead to
acknowledge the ways in which it is created in opposition to normativity as a form of policing to uphold systems of power.

Noor, Amr
3.4, 12:50, Ford 122
Sexual Violence in Egypt’s 2011 Uprisings: The military as both Fireman and Arsonist
In international media outlets, Egypt’s January 2011 uprisings in Tahrir Square were depicted in two contrasting narratives: one that asserted solidarity against the Mubarak regime across class, religion, and gender, and the other depicting rampant mob sexual assaults by plain-clothes policemen. In this thesis, I ask: how might international media and NGO assertions that Egypt has a “sexual harassment epidemic” contribute to increased militarization in the name of protecting Egyptian women from street “terror”? Moreover, can Egyptian women’s rights activists rely on the Egyptian neoliberal security state to intervene as Fireman, when it is so often plays the role of Arsonist?

O'Neill, Kaitlin
5.6, 3:10, Eaton 106
Reading ancient artifacts: Connections between Passage Tomb Art, Rock Art, and the Landscape of Neolithic Ireland
The Neolithic cup-and-ring rock petroglyph motif, present in passage tombs and displayed in open-air rock art throughout Ireland, leads to questions relating to the context of the symbol and the significance of its placement in the landscape. By looking at the passage tombs at the archaeological sites of Newgrange and Loughcrew, both County Meath, Ireland along with the rock art complex of Derrynabla, Co Kerry, Ireland, this study uses information gathered from the placement of the cup-and-ring motif in these landscapes to re-examine and understand the cultural connections between these sites along with examining this motif in the wider Atlantic rock art tradition.

Oswill, Andres
6.4, 4:20pm, Eaton 106
Rethinking Reform: Oregon House Bill 3194 and Prison Resentencing in the Prison-Industrial Complex
During Oregon’s 2013 Legislative Session, House Bill 3194 a major prison reform effort, benefitted from strong institutional support and expert backing. Conditions were ripe for the first major prison policy breakthrough since Measure 11 (1994). Yet one of the major goals of the bill - changing some of the mandatory minimums set by Measure 11, failed to make it to the final draft. How can we explain why this portion of the reform failed? This presentation will explore why efforts to reform parts of Measure 11 fell short by considering target populations, interest groups, and other policy considerations.

Ota, Kacey
1.3, 9:30, Eaton 211
Public Spaces as sites of the construction of social meanings: A look at classrooms, Hooters, coffee shops and the city of Salem
Understanding the Career Aspirations of Elementary School Students at Bush Elementary
This study explores the career aspirations of elementary school students in two different classrooms: a 3rd grade and 3rd-5th grade Extra Resource classroom. To understand these students' career aspirations, I began with a discussion about the meaning of 'success', then I had the students draw themselves in their future jobs. Lastly, I had each student fill out a questionnaire to understand their knowledge about their future and daily familial influences that could affect their choices. The visual methodology of drawing is emphasized as a language that should be validated when people with physical and learning disabilities are involved.

Parker, Hayden
3.6, 12:50, Collins 205
Independent and Sponsored Research in STEM
Independent Study in Go
Over the course of the Fall 2014 term at Willamette University I completed an independent project in Computer Science focused on the programming language Go. I studied the language documentation and wrote a few small applications to highlight features of the language. One of my goals in the course was to create an application that could authenticate credentials against multiple web applications via HTTP requests serialized in JSON files. While I did get the basic application completed and working, I discovered several challenges and better approaches to the problem along the way.
ABSTRACTS

Exploring Human Values
Control of the Other: How and Why the French Perceived and Portrayed Cannibals in the 16th and 17th Centuries
Historically, people who practice cannibalism have been portrayed as “savages” or “barbarians.” My thesis explores the interaction between French colonizers and cannibalistic cultures in the 16th and 17th centuries and the agenda behind the way the French portrayed these cultures. Through my research, it is clear that the fixations with the cannibalistic practices hindered the French’s ability to truly, anthropologically understand these cultures and, in addition, was used as a tool of oppression and discrimination.

Phillips, Caitlyn
1.2, 9:30, Ford 102
Asian Language and Culture
Why Few Hikikomori Receive Treatment
My topic is about hikikomori, Japanese shut-ins. There are an estimated 1 million Japanese people who do not leave their rooms. I want to explore the question of why nearly 1 million people in Japan have not been treated for this condition. I will explore possible social, psychological, economical and other explanations.

Piechocki, Nicole
5.5, 3:10, Collins 205
Controlling Life and Death
Public Opinion on Physician-Assisted Suicide; Media Representations of Brittany Maynard and their Impact on the Right to Die Movement
This project seeks to explain why there has been a sudden increase in support for physician-assisted suicide (PAS) in the wake of Brittany Maynard’s advocacy for the Death with Dignity Act in the fall of 2014. The project analyzes various populations and their levels of support for PAS over time, which is measured against other national trends such as growth in secularism, distrust in the healthcare system, and considerations of patient vulnerability. Maynard’s articles and videos will then be analyzed to determine which images, metaphors, or arguments proved to be the most effective in influencing public opinion on PAS.

Piluso, Kathleen (Kate)
5.1, 3:10, Eaton 209
Creative Writing
Creative Writing Thesis Presentation
This presentation will be a reading of selected highlights from my creative writing thesis in order to display the work that I’ve been able to cultivate in a productive and intensive workshop space. My project revolves around understanding vulnerability and intimacy between not only the writer and the speaker, but also the speaker and the reader; this idea is explored further in my construction of a fictionalized memoir based loosely on my own life and experiences written in a combination of prose and poetry.

Priebe, Camille
3.1, 12:50, Ford 204
Asian Language and Culture
What Are You Afraid Of?—Translating Japanese Feminism for a New Generation
This translation project illustrates the plethora of messages that are still present and accessible from the fiery Women’s Liberation Movement in Japan that began in 1970. Scholars agree that Japanese feminism is all but dead today; recent literature often takes a retrospective look at this radical period in order to re-appeal to the younger generation in hopes of a resurgence of the feminist movement. Select translated interviews from Hisako Matsui’s “What Are You Afraid Of?” offer insight into the lives of Women’s Lib members and their hopes for the future of young women in Japan.

Priebe, Cathryn
3.5, 12:50, Eaton 211
Culture and History in the US
The Changing Nature of American Zionism
This paper analyzes the changing presentation of community discussion surrounding Israel and Zionist related activities over three decades as a lens for evaluating the changing nature of American Zionism with a particular focus on Portland, Oregon. An historical analysis and examination of the shifting role of American Zionism as well as a description of religious trends within the Pacific Northwest provides the foundation for the working definition of Zionism as it applies to this paper and the geographical context that influences this political movement. Following these structural components, articles from the Portland Jewish Review showcase the shift in community discussion.
ABSTRACTS

Ricchio, Stephanie
2.8, 11:10, HFMA, Hull Lecture Hall
“Facets of Modernity:” Umberto Boccioni: A Comparative Study of Style and the Ideological Foundations of Italian Futurism
My thesis involves a monographic analysis of Umberto Boccioni's stylistic and formal development as it relates to the ideological position established by the futurist manifestos from 1905-1914.

Risolo, Andrea
6.2, 4:20, Eaton 105
Questions of Meaning
Kant's Philosophy of Freedom
Immanuel Kant’s philosophy of freedom provides a straightforward approach for living one’s life, dependent most prominently on our responsibility as humans, capable of operating beyond the constraints of nature, to act morally. Otfried Höffe analyzes how Kant’s Critique of Practical Reason: A Philosophy of Freedom explores the social and metaphysical aspects of our lives as they relate to morality and the creative freedom unique to the human species. However, by examining the theme of religion, I argue that the various components of our culture are also unified by another, more subtle concept of our fundamental constraints and the necessary hope that accompanies it.

Saunders, Jonathan
3.6, 12:50, Collins 205
Independent and Sponsored Research in STEM
Corticosterone induced electrophysiological modulation in the medullary reticular formation of Taricha granulosa.
Corticosterone, a stress-triggered steroid hormone, has been shown to rapidly suppress courtship behavior - amplexus - in male Taricha granulosa. Although general depression of activity in medullary reticulospinal neurons due to nongenomic action of corticosterone has been linked to the suppression of amplexus, the ion current and synaptic processing modulations that underlie this suppression are unknown. Examining hormonal-electrical modulation at the cellular level allows insight into the mechanism by which corticosterone coordinately alters diverse neurons to set the ‘state’ of the circuit computation underlying amplexus, selectively filtering it while allowing or amplifying other behavior. Whole-cell data, analysis, and computational implications presented.

Schaefer, Sandra
1.4, 9:30 am, Collins 201
Sustainability in Nature and Culture/Environmental Impact
Fracking in the Air: Perspectives from Medical Anthropology
Recent fracking developments in the United States have had positive effects in the economy and has created thousands of jobs in small communities. However, the negative environmental effects of fracking including earthquakes, impairment of limited water supplies, impacts on fetal development, and air pollution have greatly affected the health of local citizens living near these drilling sites. This presentation focuses mainly on the adverse effects of air pollution on locals living in Atascosa county in rural south Texas.

Schlack, Emily
2.3, 11:10, Eaton 307
Studying Ourselves: A Critical Look at Willamette Students Experiences and Beliefs
Experiences From The Hawaiian Diaspora
This research study is designed to explore how mixed/multi racial people self identify and categorize specifically in relation to language. My interest is mainly in the construction of the identity of Native Hawaiian and Hapa, and how words can be either oppressive or exclusive based upon the people who are allowed to claim each identity. I’m also looking into the ways that racial policing affects the identities that people claim in different contexts, such as blood quantum. I am also interested in deconstructing pathologized racial characteristics - thus the photographic component.

Schreiber, Jack
2.1, 11:10, Ford 102
Analyzing the Media: Race, Class, Gender and Cultural Representations across several genres of media
Male Body Image and Consumerism in the 21st Century
Today's multi-billion dollar fitness industry is part of the consumer lifestyle. Society's desire to achieve the perfect outward images fuels the services in the industry. This paper analyzes male fitness magazines that
ABSTRACTS

are major components of male body image and the fitness industry. The magazines serve as an authority on ways men can improve their lives. They demonstrate that while the magazines images consist of male body bodybuilders to serve as the ideal body image, the content and advertisements cater to an audience of white, middle class males.

Schwabauer, Miranda
1.2, 9:30, Ford 102
Asian Language and Culture
The imitation Game: Fakes and Forgeries in the Chinese Art Market
Already the second largest art market in the world at $14 billion, the Chinese Art Market is at the start of what may be an extended boom. With the emergence of free spending, domestic, nouveau-riche collectors, and renewed international interests, the new magnitude for the unhindered production, circulation, and purchase of Chinese artworks has resulted in the industry being rife with forgeries. This presentation will look at how this forgery market phenomenon has evolved and consider what may be done to protect the Chinese Art Market in the future.

Schwarz, Hannah
6.3, 4:20, Collins 205
Food movements
Shifting Landscapes of an Ancient Grain: Community, Women, and the Commercialization of Quinoa in the Peruvian Altiplano
Quinoa was first domesticated in the Altiplano region of Peru and Bolivia over 7,000 years ago and has since been integral to Andean diets. Recent attention has redefined the identity of the traditional grain. Recognition of its nutritional superiority has caused a surge in demand in international markets which has led to a significant increase in price and decrease in domestic consumption. Scholars lack a comprehensive understanding of the impacts of the commercialization of quinoa. Based on two months of research in Cabana, Peru, this paper analyzes the effects of global consumption of quinoa for indigenous quinoa farmers.

Shea, Nickolas
1.1, 9:30 am, Eaton 106
Episodes of Exclusion
The Parable of Blindness
This presentation demonstrates how plague epidemics, and metaphors of illness, have been used throughout the history of literature to examine the human condition. Specifically, José Saramago's Blindness is analyzed as a work from the plague-based canon of literature to examine the human condition. Specifically, José Saramago’s Blindness is analyzed as a work from the plague-based canon of literature to examine the human condition. Specifically, José Saramago’s Blindness is analyzed as a work from the plague-based canon of literature to examine the human condition. Specifically, José Saramago’s Blindness is analyzed as a work from the plague-based canon of literature to examine the human condition. Specifically, José Saramago’s Blindness is analyzed as a work from the plague-based canon of literature to examine the human condition. Specifically, José Saramago’s Blindness is analyzed as a work from the plague-based canon of literature to examine the human condition. 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the larval and adult stages of wild Culex were compared to determine how the original water source influences microbial communities.

Smith, Elizabeth
6.5, 4:20, Ford 102
Black Arts, Life, Liberation
"I loved you on purpose": Subversive Homosocialism in Ntozake Shange's "for colored girls who have considered suicide when the rainbow is enuf"
This paper aims to identify the ways in which Ntozake Shange constructs homosocial gender relations and queer identity within "for colored girls who have considered suicide/when the rainbow is enuf". Most scholarship dismisses the possibility of queer desire within the narrative. The title's diction of "rainbow" and "suicide", the pervading argument for greater intimacy between women of color, and the "laying on of hands" suggest sites of homosociality and queer desire within the text. My research investigates how these black queer relations not only become subversive sites of pleasure production, but also function as radical divestments from patriarchal heteronormative relationships.

Smyth, Colleen
1.1, 9:30, Eaton 106
Episodes of Exclusion
Who "We" Are: Connections Between Conceptions of Citizenship and Education for African Americans and the Deaf in Antebellum New England
How did the education of African Americans and deaf individuals depend on societal conceptions of their citizenship status? To what extent were children from these two groups treated as capable of achieving the same level of intellectual attainment as hearing white youth? By comparing African Americans and deaf people, I demonstrate how both race and ability status influenced conceptions of citizenship in the nineteenth century. I then show how these social constructions, in turn, had an impact on the educational outcomes of both groups, thus furthering their status as unequal citizens.

Snodgrass, Amy
6.1, 4:20, Eaton 209
Creative Writing Thesis
The Pale Rind: Translations and Poems
"She is not lightfast and permanent./ She fades, sure, like fruit or blue wool."
This book-length poem combines original sonnets with a chorus of translations from Ovid’s Metamorphoses. The work collapses distinctions between translation and original text in an attempt to examine ahistorical questions of gendered violence.

Soejoto, Connor
Session 3.9, 12:50pm, Hudson Hall
Willamette University Music Department Ensembles Concert
"Musica Animam Tangens" by Joshua Shank
Music education thesis is a two-semester work that includes a research paper and methods (first semester) and an application of conducting and pedagogical skills (second semester). I will be conducting Joshua Shank's "Musica Animam Tangens" with the Willamette Chamber Choir.

Sollitt, Shannon
2.1, 11:10, Ford 102
Analyzing the Media: Race, Class, Gender and Cultural Representations across several genres of media
SKI LIKE A GIRL: Media Constructions of Femininity in Skiing
Previous research on gender and sports has identified ways that the media marginalizes female athletes: underrepresentation, objectification/sexualization, and trivialization of athleticism. In risk sports such as skiing, this has created a culture that privileges masculinity and associates it with risk taking. This research expands upon these observations and looks at the ways that female athletes are indeed marginalized by and excluded from mainstream media, but also ways in which female athletes themselves are using social media to reconstruct femininity in the ski industry.

Sonato, Martha Elena
4.3, 2:00, Ford 102
A look at civil rights at the local, state and federal level for underrepresented communities through the lenses of advocacy organizations in Hood River, Oregon, labor laws, wage theft and sexual violence in the workplace in Oregon and statewide variance
Nuestra Comunidad Sana: Political Advocacy in Hood River, Oregon
The Hispanic population in Hood River county comprise 29.8% of the total population. However, Hispanic political engagement is relatively low and there is a lack of advocacy organizations that support their political mobilization. Through interviews, I will analyze Nuestra Comunidad Sana (NCS), a health program who have carried out preventive work for the past 20 years but in the past five years, begun strategically advocating at the local and state policy levels. Why has NCS, been successful in working on a policy level? What does this trend mean for the Hispanic community’s political engagement? in terms of political engagement and politically-oriented work?

**Sparling, Zane**
4.2, 2:00, Eaton 106

**Beyond Millenial Cynicism**

The Problems of David Foster Wallace's Poetics

In the pages of his magnum opus, “Infinite Jest,” author and essayist David Foster Wallace works against what the Russian literary theorist Mikhail Bakhtin called “the unity of a single world and a single consciousness.” Instead, Wallace’s polyvocality--his multi-voiced word--is both symptomatic and curative. His heteroglossia maps onto the page the content-saturated, over-mediated nature of existence in turn of the century America and argues against the jaded cynicism and anhedonia of the millennial generation. But through his word, and his disruption of monologic speech, he also points toward a solution: the embracing of a Dostoevskian return to unaffected feeling and sincerity.

**Standish, Kellie**
3.2, 12:50, Ford 102

**Traffic in Women**

Women and Tanzanian Nation Building: power and identity in postcolonial marriage laws"

This project seeks to understand the 1971 Uniform Act of Marriage in Tanzania as more than just a piece of the nation building project, but the umbrella under which the conflicts of gender, generation, religion and new forms of accumulation were discussed. Creating a community that was both “authentically African” and “modern”, as well as distinctly non-Western, and navigating identity within that community posed a challenge not only for East Africa but for all newly independent communities in the postcolonial era. Through textual analysis, these laws offer insight into the reality of building a nation, and the gender dynamics at play in that effort.

**Stroh, Merideth**
6.4, 4:20, Eaton 106

**Prison**

Can Voting Restrictions Be Justified? Why Maine and Vermont Became Outliers for Never Instituting Criminal Disenfranchisement

This thesis of American political development explains why Maine and Vermont never instituted criminal disenfranchisement despite its otherwise ubiquity in the United States. I will look at perceptions of racial threat after the Fifteenth Amendment, using historical prison population data in Maine and Vermont compared to the rest of the nation. I will then analyze trends of balancing suffrage by instances of contraction and expansions, including intersectional considerations of gender, socioeconomic status, and education. The importance of studying these outlier states is that their stability can invalidate the justification of criminal disenfranchisement for “the health of the democracy.”

**Stuart, Alycia**
5.7, 3:10, Collins 201

**Optimizing ablation Parameters for an Ultrafast Pulsed Laser**

Although utilizing high-powered lasers for precise material processing has been a standard industrial practice for many years, only recent advancements have made it possible to push pulse duration to the picosecond and femtosecond regimes. For laser ablation, these advancements allow for higher pulse intensities and less heat transfer to the area surrounding the ablation site thus improving the efficiency and precision of laser drilling. I will discuss my research on studying the effects of modifying pulse repetition rate and pulse power for materials of varying thermal conductivities and describe the implications of my research for laser drilling and microstructuring.

**Stueckle, Audrey; Vanderburg, Lydia; Walker, Eliza**

**SPECIAL CHEMISTRY POSTER SESSION, UC 2ND FLOOR LOBBY**

Session 2.6, 11:10 am, and 3.6, 12:50 pm

Bio-Chemical Warfare: Allelopathy in Invasive Species

The classic understanding of invasive species’ success being due to resource competition has recently been supplemented by a growing understanding of allelopathy. Allelopathy is a plant’s production of chemicals
ABSTRACTS

which inhibit growth in other plants. Research is finding that allelopathy may influence the success of many invasive plant species. Centaurea diffusa, an invasive in the Pacific Northwest, is one example. Allelopathic agents in C. diffusa include chloroform, petroleum ether, ethyl acetate and ethanol; chemicals which inhibit plant growth. Allelopathy has applications in agriculture, invasive plant control and preservation of our world’s biodiversity.

Swart, Matt
5.8, 3:10, HFMA, Hull Lecture Hall
Contemporary Problems and Puzzles, Part 2
Transgressive art and human limitation
I will be looking into the way certain critics, artists, theorists, and consumers of the US have reacted to transgressive art in the last 30 years, and what that reveals about American limits and expectations. I also hope to try and trace a line of thought that goes as far back as Duchamp and Warhol—though it theoretically stretches throughout history—which is a denial of oppression in many and varied forms. Examples include Richard Serra’s Tilted Arc, and Ai Weiwei’s According to What? exhibition.

Taylor, Caroline
3.4, 12:50, Ford 122
Gender, Violence, and Questions of Justice
Bridging the Gap Between “Far-away” Justice and Local Communities: An Analysis of the Outreach Programme of the ICC
The International Criminal Court, established in The Hague, tries criminals for crimes far away from their home countries. The Court has instituted an Outreach Programme to support and communicate with these communities, despite the creation of a Victims and Witnesses Unit previously set up with this goal in mind. Through this scholarship I intend to explain why the institution of the Programme is surprising, yet essential to the Court’s functioning. I use previous scholarship about how feminist advocacy networks and informal institutions played a part in the institution’s creation, and by extension, the Outreach Programme.

Terry, Kathryn
3.1, 12:50, Ford 204
Asian Language and Culture
The Next Big…Banana? : The Future Reception of Banana Yoshimoto’s “Sponge”
This thesis project analyzes the Western literary critics’ commentary on the translated works of Japanese fiction author Banana Yoshimoto. It identifies the key aspects of her work, such as her vivid descriptions and empathetic storylines, and applies them to a short story entitled “Sponge” from her newest collection that has yet to be translated into English. By analyzing the applicability of my commentary to the newly translated work, I will determine whether “Sponge” can expect similar reception from Western audiences.

Thimesch, Emily
5.4, 2:00, Ford Lobby
Psychology Poster Sessions
Comparing the Values in Action and Big Five Personality Taxonomies: The Overlap of the VIA and Big Five in Predicting Life Outcomes
In 2000, a personality taxonomy was introduced—the Values in Action (VIA)—which inventoried character strengths, argued to represent a neglected research area. Concurrently, the 1990s had a rapid growth in research on the Big Five personality traits, a hierarchical taxonomy based on the lexicon. Two questions are addressed about these taxonomies: 1) Is the VIA largely redundant with the Big Five?; 2) Which measure is better at predicting important life outcomes—life satisfaction and health? Samples were collected from UC-Davis (N=83) and Willamette (N=100). The results demonstrate the overlap between the measures and how they compare in predicting outcomes.

Townsend, Jameka
6.5, 4:20, Ford 102
black arts, life, liberation
Black Liberation & Modes of Resistance
The New Jim Crow and literature on prisons and incarceration offers little sustained analysis of Black political prisoners. This paper argues that by neglecting Black liberation leaders, namely Black political prisoners, Alexander erases the broad-based movement she is searching for. I develop a new approach to understanding political prisoners as Black leadership, drawing on the works of Tupac Shakur and Angela Davis. Organizations /movements I specifically use are the Black Panther Party, Republic of New Afrika and Hip-Hop that show how the political Black leader has come to represent the ultimate criminal. By
criminalizing Black leaders, Black communities’ modes of resistance are criminalized and their mass incarceration is legitimized

Travis, Lauren
1.4, 9:30, Collins 201
Sustainability in Nature and Culture
Reducing Waste by Redesign: Moving Beyond a Throwaway Society
Economics Thesis
From design to disposal there is inefficiency and waste in the modern industrial production process. The prevalent “make, take and dispose” mode of modern goods production has cascading and increasingly severe long-term ramifications on the economy, society and the natural world. This presentation will use the example of a cotton T-shirt to illustrate how market failure is manifested at every stage of apparel production. Furthermore, I will present policy prescriptions as potential solutions help correct issues of cost externalization and resource undervaluation. By decoupling economic growth and environmental degradation, it is possible to build a future where waste is considered to be a resource, instead of something destined for disposal.

Underdahl, Soren (Carson Grant 2014-2015)
3.7, 12:50pm, Eaton 209
College Colloquium Student Research Grants 2014-2015
The Categorical Evil: Kant’s Legacy in the Nazi Regime
This research looks critically at the works of Immanuel Kant and the ideology of Nazism, looking at potential ways that Kant’s philosophy might have been used, correctly or not, by the toxic regime. It analyzes politics, religion, antisemitism, and moral philosophy of both sets of principles.

Valenzuela, Dan
1.3, 9:30, Eaton 211
Public Spaces as sites of the construction of social meanings
Alternative Spaces for Community Formation
Coffee shops are a means to community formation. This sociological research highlights Young’s (2009) three phases of coffee development in the United States. The phases are facilitated through three sociological theories: capital (Marx 1844), habitus (Bourdieu 1984), and third place (Oldenburg 1987); community formation is reliant upon the third place. With my 28 respondents from two franchises and two independent coffee shops in Salem, Oregon, I was able to frame my research through a visual methodology. I discovered that community formation is facilitated through the three theoretical perspectives, but occurs through non-scripted social dialogue and freedom of personality.

Van Hook, Elizabeth
2.8, 11:10, HFMA, Hull Lecture Hall
"Facets of Modernity,"
Feminist Theory and Assigning Meaning to Édouard Manet’s Works
My research will focus on several feminist theories in relation to several of Manet’s works of art to study reception theory. I will consider how one can understand feminism within reception theory and relate them to a monographic study of Manet. From this point, I will consider questions such as: Do art historians have the right to assign meaning to past works of art and the artist? What is art without the spectator and what is its role? Does the artist have the right to assign meaning because art is created to be viewed? My thesis will examine how several feminist theories employ Manet’s work to further their theory with these questions in mind and will argue that art historians do indeed have the right to assign meaning.

Vargas, Thalia (LARC)
5.3, 3:10, Ford 102
Building Bridges
Building Bridges: The Inclusion of Latino Parents in a College Access Program
This research, Building Bridges is part of a research evaluation conducted in collaboration with the University Scholars Program (USP), a college access program. The goals include analyzing the USP’s practices, identifying areas of strength and areas to strengthen to better serve its participants. The analysis focuses on the participants’ experiences at USP, parents’ perceptions of USP’s influence on them, and the knowledge that has been transmitted from USP to them. This research seeks to contribute to the existing literature on parent engagement in college access programs by exploring Latina/o parent experiences, their challenges to inclusion, role perception and development of social capital.
**Vellequette, Max**  
4.6, 2:00, Collins 205  
**Unraveling the roles of the motor protein myosin**  
Measuring Myosin VI Force in RPE Phagocytosis  
ARPE cells, which reside on the retina, are responsible for maintaining a healthy eye; however, there are gaps in the understanding of that process. This experiment used the process of overexpression combined with optical tweezers in order to investigate the role of a unique motor, Myosin VI, during the cellular function of phagocytosis.

**Vermilion, Lauren**  
1.4, 9:30 am, Collins 201  
**Sustainability in Nature and Culture/Environmental Impact**  
Impact of Europeanization on Environmentalism in Poland and Czech Republic  
This thesis explores how Europeanization has impacted environmentalism in Poland and Czech Republic. The arguments are informed by interviews of elites and laypeople conducted in 2014. The interviews revealed a sense of disenfranchisement in CEE countries within the European Union. This is explained by two factors. The conditionality of the aquis communautaire hinders the organic development of environmental initiatives, and the EU’s own democratic deficit is transferred to the CEE through ascension; both leading to euro-skepticism and tension. While there have been observable improvements for the state of the natural environment, the impact on environmentalism has not been entirely positive.

**Verwolf, Lucas**  
6.4, 4:20, Eaton 106  
**Prison**  
Religious Messaging in Federal Criminal Drug Sentencing in Both the United States and Canada  
This project seeks to uncover what religious coding is present in the federal criminal sentencing standards for drug crimes in the United States. This will be accomplished through a comparative analysis of the religious attitudes present in the political creation of federal criminal sentencing standards in both the US and Canada. The United States has some of the harshest and punitive drug laws in the developed world, how are religious themes of sin, sanctity, and redemption present in the creation and sustainment of these standards?

**Walker, Saran**  
5.1, 3:10, Eaton 209  
**Creative Writing Thesis**  
Electric Sheep  
As a fan of sci-fi and fantasy, I often feel like these two genres especially occupy a bastard status in the realm of “Literature.” I write poetry, which has traditionally been regarded as a particularly artistic form of writing. I want to explore how I can disrupt expectations for both genre and form by telling a sci-fi/fantasy story through a narratively-connected collection of poetry. My story explores a futuristic world where sleep has been genetically engineered out of humans, following a protagonist who develops narcolepsy.

**Wells, Taylor**  
6.5, 4:20, Ford 102  
**Liberating Ourselves: Critical Perspectives on Black Resistance**  
Property or Problem?: Regulating the Captive Black Female Body  
Both historically and contemporarily, black women’s bodies have been exploited, sexualized, and controlled by the state in an effort to achieve social objectives. This project seeks to fill the void between feminist and black criminology by centering the systemic and distinct sexual violence of incarcerated black women in U.S. prisons. Through historical literary comparison the analysis will situate attempts to obstruct black reproductive autonomy as a critical strategy of state sanctioned anti-black violence in an effort to illustrate the ways in which black women’s bodies are understood as public space.

**Weninger, Kalie**  
1.3, 9:30, Eaton 211  
**Public Spaces as sites of the construction of social meanings: A look at classrooms, Hooters, coffee shops and the city of Salem**  
Sexy Work: Straddling the Line Between Service Work and Sex Work
The restaurant chain Hooters and other similar establishments occupy a unique space at the intersection of traditional service work and sex work, which I will be calling sexy work. Sexy work is the intersection of typical service industry work and sex work, blending aspects both spheres that center on the performance of femininity and provide an atmosphere that caters almost exclusively to the male gaze. The focus of this project will be to examine how the boundaries are formed that keep Hooters in the realm of mainstream acceptability and how this intersectioned space impacts the lives of their female employees.

Winnie, Connor
2.1, 11:10, Ford 102
Analyzing the Media: Race, Class, Gender and Cultural Representations
The Problematic Use of Stereotypes in Popular Television
This project investigates the use of race in the popular and critically acclaimed television show, Modern Family. This project is both a quantitative and qualitative analysis into the portrayal of minorities and how these representations encourage stereotyping. This project will address the problematic influence of using these representations in popular media and how it affects societies interactions with minorities.

Wu, Theodore
1.1, 9:30, Eaton 106
Episodes of Exclusion
"Nothing But An Exclusion Order:" The Legality of Japanese Internment
This project charts the history of events leading to and resulting in the forced removal and internment of Japanese-Americans during World War II. The project looks closely at the Supreme Court decisions made to justify the internment, including Hirabayashi v. US (1943) and Korematsu v. US (1944). This project will also examine the road toward federal redress and repayment, culminating in the Civil Liberties Act of 1988 and a formal presidential apolog; it concludes with a discussion of the effectiveness of these methods.

Youngbauer, Victoria
5.1, 3:10, Eaton 209
Creative Writing Thesis
Twenty-Something
I am writing a series of ten short stories surrounding ten different characters. Each character represents a certain age in their twenties and has a narrative moment focused around them. Thematically, the stories are exploring how self-awareness and self-discovery change between the ages of twenty to twenty-nine. Each story is set in the contemporary world, where simple things like job security, family relationships, and education are constantly in flux. Some characters face this shifting world through adversities and others to have more universal experiences.

Zhen, Simon
3.3, 12:50, Eaton 307
Sense, Censorship, Surveillance
Applying Foucault to China: How China Systematically Induces Self-Censorship
In contemporary China, as a result of centuries of censorship, major domestic dissent has become not normative. This research paper examines at the evolution of censorship over time as well as the specifics of how exactly the Chinese government manages to censor its citizens on the Internet, the media, and with regards to religion. Scholars have accredited the success of censorship to the infrastructure of the system and the government's hierarchical control. However, I will argue China's situation, and specifically, the docility of Chinese citizens, is better explained by Foucault's analysis on the nature of crime and punishment.
Acknowledgements

The Fifteenth Annual Student Scholarship Recognition Day (SSRD) Committee would like to thank the following individuals and offices for their support:

CLA Dean’s Office

Mark O. Hatfield Library

Jeff Bolt and Facilities Management

Chris Linn and Bon Appetit Food Services

Willamette Integrated Technology Services

Print/Design Center and Copy Center

Una Kimokeo-Goes, Courtney Irons, and the entire Debate Union

Music & Theatre Departments

Monique Bourque

In addition, the SSRD Committee would like to thank those faculty members who serve as student mentors and moderators.

The Committee thanks all students who participated in SSRD, including students who attended talks, student volunteers, and the students who presented their work!

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