

## Schedule

- 8:00 am – 8:30 am **Registration and Continental Breakfast**  
University Hall Conference Center
- 8:30 am – 8:45 am **Opening Remarks – Dr. Willard Gingerich**  
Provost and Vice President for Academic Affairs  
University Hall Conference Center
- 8:45 am – 9:25 am **Poster Session Block A**  
University Hall Conference Center
- 9:30 am – 10:45 am **Oral and Multimedia Presentations Block A**  
Room assignments listed below
- 10:50 am – 11:30 am **Poster Session Block B**  
University Hall Conference Center
- 11:35 am – 12:50 pm **Oral and Multimedia Presentations Block B**  
Room assignments listed below
- 1:00 pm – 2:00 pm **Lunch and Keynote Address**  
Dr. Neil Baldwin  
“Learning How to Learn”  
Student Center Ballrooms
- 2:00 pm – 2:15 pm **Symposium Awards and Closing Remarks**  
Student Center Ballrooms
- 2:15 pm – 2:30 pm **College and School Recognition**
- College of Science and Mathematics  
Sigma Xi Awards  
Student Center Ballrooms
- School of Business Recognition  
University Hall 3004





Presenter: Mahdey Salhab Advisor: Ellen B. Unger, Esq.  
 Title: **Ground Zero: The First Amendment battle between land use and public sentiment**

Presenter: Sterling Santamaria Advisor: Ellen B. Unger, Esq.  
 Title: **Wealth as justice**

Presenter: Angeliki Sergonis Advisor: Dr. Elizabeth Valdez del Alamo  
 Title: **Brancusi's *Bird in Space* and defining "Art"**

Presenter: Bethanne Sonne Advisor: Ellen B. Unger, Esq.  
 Title: **Post 9/11 and the rise of Orwellian America**

**8. Arts – University Hall 3006**  
**Moderator: Yasemin Besen-Cassino**

Presenter: Jaclyn Buglino Advisor: Dr. Naomi Liebler  
 Title: **A reevaluation of female significance**

Presenter: Kristen Hariton Advisor: Dr. Neil Baldwin  
 Title: **The evolution of dramaturgy through technology: *The Grapes of Wrath***

Presenter: Stephen Kaplan Advisor: Dr. Jane Peterson  
 Title: **That's why the lady is a tramp**

**9. Pure and Applied Mathematics – University Hall 3008**  
**Moderator: Dr. Aihua Li**

Presenter: Emel Demirel Advisor: Dr. Aihua Li  
 Title: **Study of polynomial solutions to certain diophantine equations**  
 Co-author(s): Aihua Li

Presenter: Jennifer Feiner Advisor: Dr. Aihua Li  
 Title: **Product and sum connectivity indices of certain trees**

Presenter: Stewart Hengeveld Advisor: Dr. Aihua Li  
 Title: **Advanced algebraic methods in solving complex systems and enhancing GK-12 education**

Presenters: Vladimir Mishcherkin, Ashley Marshall Advisor: Dr. Haiyan Su  
 Title: **Difficulties with parking on MSU campus: using statistical methods and models for a possible resolution of this long-term problem**

Presenter: Matthew Vieira Advisor: Dr. A. David Trubatch  
 Title: **Directionally dependent viscosity increase in a ferrofluid under an applied magnetic field**

**10. Epidemics and Health – University Hall 3009**  
**Moderator: Dr. Lora Billings**

Presenter: Jackson Burton Advisor: Dr. Lora Billings  
 Title: **Dynamics of disease spread of Inked populations**

Presenter: Aline de Oliveira Advisor: Dr. Sandra Adams  
 Title: **EGCG-ester green tea polyphenol as a novel approach to inhibit herpes simplex viral infections**  
 Co-author(s): Dr. Sandra Adams, Dr. Lee H. Lee

Presenter: Bobak Haghjoo Advisor: Dr. Lee H. Lee  
 Title: **The synergistic effect of green tea and other polyphenols on antiseptics and antibiotics against the growth of potentially pathogenic bacteria and infections**

Presenter: Jonathan Hayes Advisor: Dr. Lora Billings  
 Title: **Stochastic epidemiological models with linear migration**



Presenter: Christina Jen Advisor: Dr. Antoinette Pole  
Title: **The Child Online Protection Act: Its failure and its impact**

Presenters: Jennifer Krynicki, Lauren Jacquemin Advisor: Dr. Gloria Pierce  
Title: **Equine-facilitated psychotherapy and children**

#### **4. Philosophy and Arts Education – University Hall 2032** **Moderator: Dr. Tiger Roholt**

Presenter: Justin Garcia Advisor: Dr. Tiger Roholt  
Title: **Heidegger on authentic interaction towards the cultivation of skill**

Presenter: Janet Mammen Advisor: Dr. Tiger Roholt  
Title: **Arts and its influence on society**

Presenter: Sean Skedzielewski Advisor: Dr. Tiger Roholt  
Title: **Nihilism and the saving possibility of art**

#### **5. LGBTQ – University Hall 2040** **Moderator: Dr. Danne Davis**

Presenter: Marie Katelynn Altgilbers Advisor: Dr. Elizabeth Valdez del Alamo  
Title: **Today's social and political perspective of the lesbian artist**

Presenter: Petra Fisher Advisor: Dr. Danne Davis  
Title: **Queering children's literature**  
Co-author(s): Danne Davis

Presenter: August Paule Advisor: Dr. Lawrence Londino  
Title: **A Light in the Dark**

#### **6. Language and Cultural Identity – University Hall 2044** **Moderator: Dr. Alice Freed**

Presenter: Robson Albuquerque Advisor: Dr. Alice Freed  
Title: **Revisiting William Labov's Study: The social stratification of (r) in New York City department stores**  
Co-author(s): Kaitlin Ward

Presenter: Melany Lazo Advisor: Dr. Elaine Gerber  
Title: **Otaku: Who are they?**

Presenter: Chelsea Perino Advisor: Dr. Christine Lemesianou  
Title: **Social media and participation: Impactful or ineffective?**

Presenter: Sarah Sullivan Advisor: Dr. Alice Freed  
Title: **Their as a singular pronoun in contemporary English**

#### **7. Literary Approaches – University Hall 3004** **Moderator: Dr. Elizabeth Emery**

Presenter: Christina Jen Advisor: Dr. Lee Behlman  
Title: **The Oriental and the object in a transatlantic world**

Presenter: Arian Murati Advisor: Dr. Elizabeth Emery  
Title: **The hedgehog's dilemma in *Huis Clos***

Presenter: Anay Rodriguez Advisor: Dr. Linda Gould Levine  
Title: **Breaking gender constrictions within a liminal space**

Presenter: Juan E. Villegas Advisor: Dr. Linda Gould Levine  
Title: **Indigenous America: A journey through poetry and mud**

## 8. Chemistry – University Hall 3006

Moderator: Dr. Saliya de Silva

Presenter: Matthew Rossi Advisor: Dr. Saliya de Silva  
Title: **Novel fluorescent sensors for cations II**

Presenter: Drilona Seci Advisor: Dr. David Konas  
Title: **Electrophilic Fluorination of Chiral Piperidinone Lactams, Part 2**

Presenter: Safa Tamimi Advisor: Dr. Saliya de Silva  
Title: **Novel fluorescent sensors for cations I**

Presenter: Safa Tamimi Advisor: Dr. David Konas  
Title: **Electrophilic Fluorination of Chiral Piperidinone Lactams, Part 1**

Presenter: Agnieszka Zieba Advisor: Dr. Johannes Schelvis  
Title: **Evidence for concerted electron proton transfer in charge recombination in Escherichia coli Photolyase**

Co-author(s): Caroline Richardson, Carlos Lucero, Senghane D. Dieng, Yvonne M. Gindt

## 9. International Finance – University Hall 3008

Moderator: Avram B. Segall, Esq.

Presenters: Constantinos Bageorgos, Juan Carlos Flores, Gaetan Fanda Advisor: Dr. Younga Choi  
Title: **Euro zone: The sovereign credit crisis in the euro zone**

Presenters: Javier Godoy, Oscar Salas, Suyoon Shin, Ho Hang Yeung Advisor: Dr. Younga Choi  
Title: **Emerging market: The rise of the BRICs countries**

Presenter: Jennifer Hennion Advisor: Dr. Ben Hadis  
Title: **War and Terror in Darfur**

Presenter: Jonathan Reinhart Advisor: Avram B. Segall, Esq.  
Title: **Ghost stories: An interdisciplinary analysis of extrajudicial executions and the CIA**

## 10. Environmental Science – University Hall 3009

Moderator: Dr. Stephanie Brachfeld

Presenter: Ayite Brown Advisor: Dr. Danlin Yu  
Title: **Geographic information systems implementation of a transportation network modification using a non-formulaic methodology**

Presenter: Casey Ezyske Advisor: Dr. Yang Deng  
Title: **Review on landfills in New Jersey Superfund sites**

Presenter: Melissa Hansen Advisor: Dr. Sandra Passchier  
Title: **Determining middle Miocene through Pliocene changes in provenance and basal ice conditions through sedimentological analyses of subglacial diamictites in AND-2A, Ross Sea, Antarctica**

Presenter: Carl Natter Advisor: Dr. Stefanie Brachfeld  
Title: **Environmental magnetism survey of a late Holocene dedimentary record from Barilari Bay, western Antarctic Peninsula**

Presenter: Christina Soman Advisor: Dr. Meiyin Wu  
Title: **Invasive plant management using hydroraking at the New Jersey School of Conservation**

Co-author(s): Stephanie Lear

## **Poster Presentations**

*Block A: 8:45 am – 9:25 am*

### **College of Education and Human Services (Alphabetical by Presenter)**

- Title: **Navigating the transition to academia: A multi-faceted graduate student development program (A1)**  
Presenter: Jessica Antonucci  
Co-author(s): Edina Renfro-Michel, Kim O'Halloran  
Advisor: Dr. Kim O'Halloran
- Title: **A preventative approach to social networking: Helping middle school students & parents connect successfully (A17)**  
Presenter: Stephanie Cappadona, Stephanie Bulgar  
Advisor: Dr. Matthew Shurts
- Title: **Counseling for social justice: The use of an Ecotherapy approach (A20)**  
Presenter: Megan Delaney  
Advisor: Dr. Gloria Pierce
- Title: **The perils of sexting (A40)**  
Presenter: Alexis DiMartino  
Co-author(s): Janine Abbate, Sharon Hirsch  
Advisors: Dr. Gloria Pierce and Dan Cinotti

### **College of Humanities and Social Sciences (Alphabetical by Presenter)**

- Title: **The 1967 Newark riots: How racial demographics affected the city (A5)**  
Presenter: Sabrina Conti  
Advisor: Dr. Leslie Wilson
- Title: **Corruption by another name: The history and law of public procurement (A62)**  
Presenter: Alan DiDino  
Advisor: Ellen B. Unger, Esq.
- Title: **The child witness: False memory recall and the challenge of providing credible testimony in court (A25)**  
Presenter: Dalia Elward  
Advisor: Ellen B. Unger, Esq.
- Title: **Ethnic differences in interactive variables among Chinese, Hispanic and Caucasian mother-infant dyads (A35)**  
Presenters: Jonathan Eng, Jeffrey Saravia  
Advisor: Dr. Peter Vietze
- Title: **Transnational feminist organizations (A45)**  
Presenters: Sandra Felz, Angela Almonte, Jessica DeProspero, Grace Momanyi, Deidre Davis  
Advisor: Dr. Fawzia Afzal-Khan
- Title: **Alien: Reflections on immigration, propaganda, and fear (A55)**  
Presenter: John Ford  
Advisor: Ellen B. Unger, Esq.
- Title: **Hedonic condensation and its opposite produced by a single set of stimuli (A13)**  
Presenter: Matthew Forsythe  
Co-author(s): Elizabeth Cogan, Debra Zellner, Scott Parker  
Advisor: Dr. Debra Zellner

- Title: **“Three Strikes and You’re Out” : The constitutionality of majoritarian sentencing guidelines (A23)**  
 Presenter: Ross Fox  
 Advisor: Avram B. Segal, Esq.
- Title: **Do unto others: The fundamental interdependence of animal and human rights (A33)**  
 Presenter: Alicia Gomez  
 Advisor: Ellen B. Unger, Esq.
- Title: **Born in the USA: The Fourteenth Amendment and birthright citizenship (A43)**  
 Presenter: Sam Hanna  
 Advisor: Ellen B. Unger, Esq.
- Title: **Marijuana: The story of a demonized weed (A53)**  
 Presenter: Hajra Jahic  
 Advisor: Ellen B. Unger, Esq.
- Title: **Have you tried therapy?: College students' perceptions of counseling and psychological services (A61)**  
 Presenters: Afshan Ladha, Milton A. Fuentes, Ronald Bolesworth, Nina Ortiz, Faiza Sheikh, Shannon Varga  
 Advisor: Dr. Milton A. Fuentes
- Title: **9/11, otherness, and the decline of multiculturalism (A2)**  
 Presenter: Carolina Lopez  
 Advisor: Ellen B. Unger, Esq.
- Title: **Adults' non-linguistic representations of sources and goals in events (A28)**  
 Presenter: Shanique McGowan  
 Advisor: Dr. Laura Lakusta
- Title: **Vis Viva: A philosophical discourse on the human genome, human rights, and patent Law (A38)**  
 Presenter: Julia Guzal Merrill  
 Advisor: Ellen B. Unger, Esq.

**College of Science and Mathematics  
 (Alphabetical by Presenter)**

- Title: **Inflation: rising food and commodity prices and their impact on world economy (A3)**  
 Presenters: Aesha Ahmed Ayar, Carolyn Godoy, Mirella Moawad  
 Advisor: Dr. Younga Choi
- Title: **Study the effect of copper and selenium on Cyanobacteria Synechococcus sp. IU 625 (A21)**  
 Presenters: Jemima Akinsanya, Monica Rivera  
 Advisor: Dr. Lee H. Lee
- Title: **Study the potential usage of green tea polyphenol on antiseptics and antibiotics (A22)**  
 Presenter: Sylvia Akuwudike  
 Co-author(s): Bobak Haghjoo  
 Advisor: Dr. Lee H. Lee
- Title: **Effect of combinations of heavy metals found in the World Trade Center dust on human lung cell behavior in vitro (A12)**  
 Presenter: Katherine Alberco  
 Co-author(s): Jonathan Ortiz  
 Advisor: Dr. Ann Marie DiLorenzo
- Title: **Locational analysis of regenerative marine minerals for sustainable agriculture (A24)**  
 Presenter: Catherine Alexander  
 Advisor: Dr. Robert W. Taylor

**Title:** **Characterization of the Inhibin Alpha Promoter for the construction of an ovarian-specific transgenic zebrafish expressing Icer I&#947 (A7)**  
**Presenter:** Caitlin Ament  
**Advisor:** Dr. Carlos Molina

**Title:** **Mapping the river miles of potential daylighting project in northeast New Jersey (A26)**  
**Presenter:** Omoniyi Asaolu  
**Co-author(s):** Josh Galster  
**Advisor:** Dr. Josh Galster

**Title:** **Quantifying tropical forest biomass dynamics in the southern Sumatra using a combination of optical and radar remote sensed data (A27)**  
**Presenter:** Aslan Aslan  
**Advisor:** Dr. Mark Chopping

**Title:** **Prostacyclin inhibits proliferation of Jurkat T-lymphocytes (A18)**  
**Presenter:** Meritte Aziz  
**Co-author(s):** Nicholas Wells  
**Advisor:** Dr. Vladislav Snitsarev

**Title:** **Product and sum connectivity indices of cyclic chemical graphs (A29)**  
**Presenter:** Katrina Bandeli  
**Advisor:** Dr. Aihua Li

**Title:** **Measuring meteorite properties (A30)**  
**Presenter:** Ann Bannister-Liekens  
**Advisor:** Dr. Mary Lou West

**Title:** **Radiotelemetry of the Eastern Hognose Snake (Heterodon platirhinos) at Cape Cod National Seashore (A31)**  
**Presenter:** Scott Buchanan  
**Co-author(s):** Lisa Hazard  
**Advisor:** Dr. Lisa Hazard

**Title:** **Mapping ubiquitination sites on the transcriptional repressor ICER using site-directed mutagenesis (A32)**  
**Presenters:** Sirisha Bupathi Ethan  
**Co-author(s):** Alex McClain  
**Advisor:** Dr. Carlos Molina

**Title:** **Effects of low level cadmium and lead found in dust from Sept 11th tragedy on human lung cells (A13)**  
**Presenter:** Amanda Burman  
**Co-author(s):** Trista Powell, Jafar Abdollahi  
**Advisor:** Dr. Ann Marie DiLorenzo

**Title:** **Evaluation of different methods for isolation and purification of Cyanophage AS-1 (A34)**  
**Presenters:** Estefania Cabezas, Anna Slusarczyk  
**Advisor:** Dr. Lee H. Lee

**Title:** **Priming and sequencing of plasmids in Synechococcus sp. IU 625 (A8)**  
**Presenters:** James Cappello, Jose Perez, Aline de Oliveira  
**Advisor:** Dr. Lee H. Lee

**Title:** **When did female preference for male coloration evolve in poeciliid fish? A test of the sensory exploitation hypothesis (A36)**  
**Presenters:** Ariel Casner, Heather Fackelman  
**Advisor:** Dr. Scott L. Kight

Title: **Survey of sea grass community structure in a UNESCO Biosphere Reserve (A37)**  
Presenters: Christie Castellano, Stephanie Lear, Rachel Buechler  
Advisor: Dr. Paul A. Bologna

Title: **The roller-coaster conjecture (A19)**  
Presenter: Leslie Cheteyan  
Advisor: Dr. Jonathan Cutler

Title: **Vortex induced oscillations and its potential energy harvest (A39)**  
Presenter: Michael Cohrs  
Co-author(s): Wayne Ernst, Ashwin Vaidya  
Advisor: Dr. Ashwin Vaidya

Title: **The role of fungi in forest regeneration on contaminated soil (A4)**  
Presenter: Juanita Cook  
Co-author(s): Jennifer Adams Krumins  
Advisor: Dr. Jennifer Adams Krumins

Title: **The mathematical effects of reduced physical activity (A41)**  
Presenters: Shanakey Cupidon, Kimberly Manderano, Yasmin Begum, Zeeshan Khan, Ajmal Abed, Yuna Maeda  
Advisor: Dr. Diana Thomas

Title: **Enzyme mediated transformation of 2, 4, 6-Trinitrotoluene (TNT) by vetiver grass (Chrysopogon zizanioides L.) from soil in the presence of urea (A42)**  
Presenter: Padmini Das  
Co-author(s): Dibyendu Sarkar, Pravin Punamiya, Rupali Datta  
Advisor: Dr. Dibyendu Sarkar

Title: **Pollen analysis of lake sediment at the NJ School of Conservation (A14)**  
Presenter: Lisa Davies  
Co-author(s): Idali Rios  
Advisor: Dr. Mary Egan

Title: **FRET analysis of ICER binding to double-stranded DNA (A44)**  
Presenter: Mark DeMilio  
Co-author(s): Franklin Paulino, Johannes Schelvis, Carlos Molina  
Advisor: Dr. Johannes Schelvis

Title: **Analysis of land use constraints for bus rapid transit development across the northern New Jersey region (A9)**  
Presenter: Joseph Di Gianni  
Advisor: Dr. Rolf Sternberg

Title: **Relict Brook Trout population assessment in the South Branch of the Raritan River headwaters, Mt. Olive, New Jersey (A46)**  
Presenter: Luke Diglio  
Advisor: Dr. Paul A. Bologna

Title: **Wildlife disease in New Jersey: detecting the water-borne pathogen; Batrachochytrium dendrobatidis; in state amphibians and their habitat (A47)**  
Presenter: Paola Dolcemascolo  
Advisor: Dr. Kirsten J. Monsen

Title: **Relationship between reflectance magnitude and anisotropy of the arctic vegetation and MISR data (A48)**  
Presenter: Rocio R. Duchesne  
Co-author(s): Mark Chopping  
Advisor: Dr. Mark Chopping

**Title: Cricket aggression related to availability of resources (A49)**  
 Presenters: Anne Enriquez, Fabienne Bozor, Benjamin Ogundele, Eddy Valdes  
 Advisor: Dr. Dirk Vanderklein

**Title: Geospatial analysis of sustainable urban brownfield redevelopment (A50)**  
 Presenter: Amy Ferdinand  
 Advisor: Dr. Danlin Yu

**Title: Flooding in New Jersey (A51)**  
 Presenter: Diana Flores  
 Advisor: Dr. Josh Galster

**Title: Study of the combination effects of Selenium and Zinc on Anacystis nidulans (A52)**  
 Presenters: Lesley Gentles, Shardee Janica  
 Advisor: Dr. Lee H. Lee

**Title: Behavioral aversion of Ambystoma maculatum to road deicers: Are alternative deicers really more “environmentally friendly”? (A15)**  
 Presenter: Sherif Gerges  
 Advisor: Dr. Lisa Hazard

**Title: Effect of physical activity on weight change (A54)**  
 Presenter: Javier Godoy  
 Co-author(s): Anthony Criscitello  
 Advisor: Dr. Diana Thomas

**Title: Sea Urchin population assessment in St John; USVI (A63)**  
 Presenters: Jaryda Gonzalez, Jikai Xu, Ariell Hopkins  
 Advisor: Dr. Paul A. Bologna

**Title: Mangrove Diversity in St. John (A56)**  
 Presenters: Gabrielle Habina, Alexa Hasselman, Sophia Hernandez, Jose Bazan  
 Advisor: Dr. Paul A. Bologna

**Title: Study of pH and genotoxicity on pulmonary fibroblasts after exposure to Market Street World Trade Center particulate matter (A57)**  
 Presenters: Michelle Hernandez, Sung Choi  
 Co-author(s): Fahad Rouf  
 Advisor: Dr. Ann Marie DiLorenzo

**Title: Comparing word stemmers for source code analysis (A58)**  
 Presenters: Valerie Ho, Andrew Wiese, Emily Hill  
 Advisor: Dr. Emily Hill

**Title: Migration of zooplankton (A59)**  
 Presenter: Farjana Huq  
 Co-author(s): Marco Finocchiaro, Timothy McGullam, Merari Mejia  
 Advisor: Dr. Paul A. Bologna

**Title: The influence of watershed shape and glacial history on the scaling of river discharge with drainage area (A60)**  
 Presenter: Tarique Islam  
 Advisor: Dr. Josh Galster

**Title: Effects of Phragmites australis on soil organic content of tidal salt marshes (A16)**  
 Presenter: Gabriel Jimenez  
 Co-author(s): Christina Soma, Natalie Sherwood  
 Advisor: Dr. Meiyin Wu

**School of Business  
(Alphabetical by Presenter)**

- Title: **Impact of eco-friendly product and packaging strategies on consumer information processing (A6)**  
Presenter: Naz Onel  
Advisor: Dr. Dibyendu Sarkar and Dr. Avi Mukherjee
- Title: **An integrated marketing plan for Mountainside Hospital's Cardiology Department (A11)**  
Presenter: Gina Stampone  
Advisor: Dr. Yam Limbu

**Poster Presentations**

*Block B: 10:50 am – 11:30 am*

**College of Education and Human Services  
(Alphabetical by Presenter)**

- Title: **The co-occurrence of substance use disorders and eating disorders (B1)**  
Presenters: Lisa Ellis, Kaitlin Deitz  
Advisor: Dr. Matthew Shurts
- Title: **Funding research with women and girls: What works? (B40)**  
Presenter: Megan Koster Gordon  
Co-author(s): Muninder K. Ahluwalia  
Advisor: Dr. Muninder K. Ahluwalia
- Title: **Internet addiction - Is it time to unplug? (B21)**  
Presenters: Denise Gorski, Jenny Busanic  
Advisor: Dr. Matthew Shurts
- Title: **Reculturation: Reclaiming birth culture(B31)**  
Presenter: Lisa Treweeke  
Advisor: Dr. Amanda Baden
- Title: **Counseling and criminal justice for women: Deconstructing the prison crucible (B41)**  
Presenter: Claire Wooloff  
Advisor: Dr. Vanessa Alleyne

**College of Humanities and Social Sciences  
(Alphabetical by Presenter)**

- Title: **Pregnancy discrimination and the counter-effects of the mixed-motive defense (B6)**  
Presenter: Adriana Montero  
Advisor: Avram B. Segall, Esq.
- Title: **An interdisciplinary analysis of the effects of the FCC's regulation of fleeting expletives (B15)**  
Presenter: Sarah O'Connor  
Advisor: Avram B. Segall, Esq.
- Title: **Last rights: End of life decisions and the conflicted relationship between physician-assisted suicide and religion (B25)**  
Presenter: Ece Odunkesenler  
Advisor: Avram B. Segall, Esq.
- Title: **Euphoria: The history and regulation of marijuana use (B35)**  
Presenter: Osakponmwen Omoruyi  
Advisor: Ellen B. Unger, Esq.

- Title: **Capital punishment: A global perspective (B45)**  
 Presenter: Doreen Osafo-Darko  
 Advisor: Ellen B. Unger, Esq.
- Title: **Carry on my wayward son: Guns, rights, and the American desire to come armed (B55)**  
 Presenter: Valerie Palma-DeLuisi  
 Advisor: Ellen B. Unger, Esq.
- Title: **Disenfranchisement of felons: Just punishment or just plain wrong? (B12)**  
 Presenter: Mary Person  
 Advisor: Ellen B. Unger, Esq.
- Title: **To kill a jailbird: The ethics and constitutionality of lethal injection (B22)**  
 Presenter: Brittany Reed  
 Advisor: Ellen B. Unger, Esq.
- Title: **Imprisonment as injustice: A study of inmate human rights (B32)**  
 Presenter: Kate Schaefer  
 Advisor: Ellen B. Unger, Esq.
- Title: **PTSD as a defense for veterans (B42)**  
 Presenter: Edward Velky  
 Advisor: Avram B. Segall, Esq.
- Title: **The myth of sex offender rehabilitation (B52)**  
 Presenter: Cory Walz  
 Advisor: Ellen B. Unger, Esq.
- Title: **I do: The meaning and future of marriage in America (B60)**  
 Presenter: Charissa Wijaya  
 Advisor: Ellen B. Unger, Esq.
- Title: **Emancipation abdication: America's criminal justice system and the institutionalization of 21st century slavery (B18)**  
 Presenter: Gaecia Yaw  
 Advisor: Ellen B. Unger, Esq.
- Title: **Noise and reverberation effects on BCI users virtual localization ability (B29)**  
 Presenter: Yunfang Zheng  
 Co-author(s): Janet Koehnke, Joan Besing, Jaclyn Spitzer  
 Advisor: Dr. Janet Koehnke
- Title: **Girls just want to have sons: The reality, motivation, and ethics of gender preference (B39)**  
 Presenter: Rachel Zilberfein  
 Advisor: Ellen B. Unger, Esq.

**College of Science and Mathematics  
 (Alphabetical by Presenter)**

- Title: **Commercial horticulture in Kenya savanna lands and vulnerability of watersheds in a changing climate (B3)**  
 Presenter: Faith Justus  
 Advisor: Dr. Mark Chopping
- Title: **Behavioral and physiological affects of Increased Salinities in amphibians (B13)**  
 Presenters: Erika Koelmel, Madelyn Gonzalez-Abreu  
 Co-author(s): Lisa Hazard  
 Advisor: Dr. Lisa Hazard

**Title:** Selenium effect on cadmium in cyanobacteria synechococcus sp. IU 625 (B23)  
**Presenters:** Sakina Ladha, Hinal Joshi  
**Co-author(s):** Hinal Joshi  
**Advisor:** Dr. Lee H. Lee

**Title:** Development of a rapid method for detection of bloom-forming cyanobacteria and algae in selected New Jersey waterbodies (B24)  
**Presenters:** Stephanie Lear, Ben Ondimu  
**Advisors:** Dr. Lee H. Lee and Dr. Meiyin Wu

**Title:** Perception of community improvement and environmental justice as determinants of brownfield redevelopment success in Passaic County New Jersey (B8)  
**Presenter:** Shevon Letang  
**Advisor:** Dr. Robert W. Taylor

**Title:** Analysis of RET downregulation and degradation in transfected VERO cells (B26)  
**Presenter:** Shani Maslovski  
**Advisor:** Dr. Quinn Vega

**Title:** Collaborative partnerships through Brownfield Showcase Communities (B27)  
**Presenter:** Schenine Mitchell  
**Advisor:** Dr. Robert W. Taylor

**Title:** Inhibition of Sindbis viral infection in cultured Vero cells using glycyrrhizin (B28)  
**Presenter:** Yvonne Okereke  
**Advisor:** Dr. Sandra Adams

**Title:** Combination effects of green tea polyphenols; curcuminoids; and red algae polysaccharides on antibiotics and antiseptics (B7)  
**Presenters:** Mohamed Olabi, Konrad Starczak  
**Co-author(s):** Bobak Haghjoo  
**Advisor:** Dr. Lee H. Lee

**Title:** Gauging the success of the Licensed Site Remediation Professional Program (B65)  
**Presenter:** Robert Oleksy  
**Advisor:** Dr. Robert W. Taylor

**Title:** Impact of eco-friendly product and packaging strategies on consumer information processing (B4)  
**Presenter:** Naz Onel  
**Advisors:** Dr. Avi Mukherjee, Dr. Dibyendu Sarkar

**Title:** Study of Antarctic Wilkes Land margin sediment core to determine Pliocene ice sheet dynamics (B14)  
**Presenter:** Nadine Orejola  
**Advisor:** Dr. Sandra Passchier

**Title:** Analysis of the steroids Norgestrel and Progesterone by selected reaction monitoring using high performance liquid chromatography/tandem mass Spectrometry with atmospheric chemical ionization (B33)  
**Presenter:** Daniel Palermo  
**Co-author(s):** Youseff Ali  
**Advisor:** Dr. Jack Isidor

**Title:** NMR study of the associative behavior of ionic liquids in polar and non-polar solutions (B34)  
**Presenter:** Gregory Parker  
**Co-author(s):** Michael Little  
**Advisor:** Dr. Jack Isidor

Title: **Role of PC12 cells in neural experimentations (B9)**  
Presenter: Nadia Pasquale  
Advisor: Dr. Quinn Vega

Title: **Transcriptional regulation of the putative tumor suppressor ICER (B36)**  
Presenter: Dipika Patel  
Co-author(s): Carlos Molina  
Advisor: Dr. Carlos Molina

Title: **Towards a next generation green data center (B37)**  
Presenter: Michael Pawlish  
Advisor: Dr. Aparna S. Varde

Title: **The history and wildlife of Dundee Island (B38)**  
Presenter: Jennifer Prawetz  
Advisor: Dr. Gregory Pope

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