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| **Program** | **Time & Location** | **Presentation** | **Abstract** |
| **April 16th** | | | |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Mortality Risk Analysis for Postpartum Mothers**  Author(s): Ali-Enriquez, Deirdre Mentor(s): Byeon, Boseon | The purpose of this project was to assess high mortality risk for postpartum mothers. Different criteria and variables were considered, with a goal to provide a solution for better postpartum care in high-risk communities. Maternal deaths are urgent concerns and the insistent disparities in the maternal mortality ratio are compelling. |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Rapid HIT Adoption during the Covid-19 Pandemic and Its Link to Cyber Attacks**  Author(s): Boyce, Heather Renecia  Mentor(s): Bichindaritz, Isabelle | COVID-19 reshaped healthcare delivery during restrictions, exposing healthcare vulnerabilities to data breaches. The rapid adoption of health systems lacked preparation and proper education for health organizations. Examining pre-, mid-, and post-pandemic trends can pinpoint areas needing structural and systematic development for future resilience against cyber-attacks. |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Harnessing Process Mining for Insight Into ED Workflows**  Author(s): Charles, Jerenee Mentor(s): Bichindaritz, Isabelle | Timeliness is a critical component in the delivery of healthcare in acute care settings. Therefore, it is important to continually identify areas for improvement to ensure optimal patient care. For my Capstone, I utilized process mining in Python with the MIMICEL Event Log to identify performance indicators for process improvement amongst low-acuity patients in the emergency department. |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Forecasting Antimicrobial Susceptibility in a Connecticut Hospital**  Author(s): Lopane, Kelly Mentor(s): Bichindaritz, Isabelle | Antibiotic resistance has increasingly become a public health concern as community infections continue to spread throughout the world. Collecting antibiogram data between 2018 and 2023 from a mid-sized Connecticut hospital, this project aims to identify trends of concern and use exponential smoothing methods to forecast future rates of decreasing antibiotic sensitivity. |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Vaccination Disparities in Teenagers Across The United States: A Socioeconomic Perspective**  Author(s): Mahadeo, Heomawattie  Mentor(s): Byeon, Boseon | This thesis aims to delve into the intricate landscape of vaccination coverage, focusing on vaccinated Americans teenagers between the ages of 13 to 18 years old and their unvaccinated counterparts, with the goal of identifying disparities, underlying factors influencing vaccination rates and implications for both individuals and society at large. |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Leveraging Machine Learning to Analyze Mortality Rates and Unveil Disparities**  Author(s): Owusu, Sandra Mentor(s): Bichindaritz, Isabelle | This project utilizes machine learning to analyze mortality data and identify disparities in mortality rates across different demographic groups. The goal of this research is to help mitigate health disparities and improve public health outcomes in the U.S. by providing insights into mortality disparities. |
| Biomedical and Health Informatics | 5:30pm-7pm, Syracuse conference room Zoom: <https://oswego-edu.zoom.us/s/96853971439> | **Pharmacy Desktop Application**  Author(s): Pallamreddy, Pravallika  Mentor(s): Bichindaritz, Isabelle | This project's main objective is to provide an easy-to-use interface for prescription pickup and drop-off, as well as a safe database backend for thorough prescription and customer data preservation. Subgoals include creating a strong database schema for safe storage of prescription information, creating algorithms for multi-stage prescription information verification, putting automated medication filling and bagging processes into place, and incorporating notification systems to let customers know when their prescriptions are ready. |
| **April 17th** | | | | |
| Advancing Completion through Engagement | 4:30pm-7pm, MCC 114 | **ACE Reception**  Author(s): Corie Kohlbach |  |
| Anthropology | 9-9:50AM, MCC 132 (auditorium) | **The Impact, Effectiveness, and Importance of Environmental Education at SUNY Oswego Amidst Environmental Change**  Author(s): Ali, Maxon Mentor(s): Ossa, Alanna | Environmental education is crucial, yet its efficacy hinges on its resonance with students; failure to engage effectively may prove detrimental in the coming years. Environmental change necessitates human adaptation worldwide, beginning with education. Given the escalating uncertainty of the future and the possibility that we are currently experiencing a climate shift ourselves, the study aims to offer actionable insights and recommend pertinent changes. |
| Anthropology | 9-9:50AM, MCC 132 (auditorium) | **Mapping a lost part of Oswego history during the Prohibition Era**  Author(s): Alvarado, Nathan Mentor(s): Ossa, Alanna | This project will primarily be focusing on GIS mapping the historically identifiable locations of speakeasies from the time of Prohibition in Oswego, NY. My project is to also map criminal activity as identified by historical records from the city police and evaluate associations and potential increases or decreases related to Prohibition practice and policing. |
| Anthropology | 9-9:50AM, MCC 132 (auditorium) | **Blinded By the Light; Iris Color and Light Perception**  Author(s): Blasko, Joel Mentor(s): Ossa, Alanna | This study aims to find the pros and cons of differing iris colors in differing light conditions. Iris color is a recent genetic mutation with several variations from differing regions. It is hypothesized that this may due to the conditions of such regions as seen in other variations like skin color. |
| Anthropology | 9-9:50AM, MCC 132 (auditorium) | **Evaluating Lead Accumulation in Deer Bone Over Time**  Author(s): Brayton, Ande Mentor(s): Ossa, Alanna | This project will be using pXRF technology to assess potential changes in lead accumulation over time comparing 19th century deer bone to modern deer. This will evaluate the potential of these analyses to identify changes in lead contamination from mid-Industrial revolution to now. The concentration of lead in plant roots (in the modern context) will also be examined. |
| Anthropology | 9-9:50AM, MCC 132 (auditorium) | **The Cross-Sex Cultural Miscommunication among college students**  Author(s): Broadnax, Matthew Mentor(s): Ossa, Alanna | This study evaluates male-female cultural miscommunication at the college level. Questionnaires and interviews were used to collect open-ended ideas about how different genders interact and their expectations for communications. |
| Anthropology | 10-10:50am, MCC 132 (auditorium) | **Exploring the Impact of Small-Scale Food Production on Food Choice and Environmental Consciousness**  Author(s): Dion, Noah Mentor(s): Ossa, Alanna | This research investigates the transformative effects of engaging in small-scale food production on individuals' food and environmental consciousness. By looking into the experiences of participants involved in gardening or food cultivation, I aim to uncover the shifts in their environmental consciousness and changes in food choices. |
| Anthropology | 10-10:50am, MCC 132 (auditorium) | **Virtual Reality: You, I, and the Introspection into Identity**  Author(s): Emery, Hunter Mentor(s): Ossa, Alanna | Virtual Reality is a budding technology within the last decade with various practical uses, but for now primarily serves for entertainment. Many regular VR users express both their sexuality and gender differently from their real life. This study seeks to answer why and how individuals construct VR gendered identities. |
| Anthropology | 10-10:50am, MCC 132 (auditorium) | **Fleeting Encounters: Investigating Generation Z’s Perceptions on Casual Dating and Hookup Culture**  Author(s): Jimenez, Yesenia Mentor(s): Ossa, Alanna | This study investigates a generational shift of relationship culture by tracing how generation Z navigates and establishes romantic relationships through a study of college students attending SUNY Oswego. The dramatic rise in casual dating is analyzed by identifying how students participate in or resist the individualistic mindset common to casual dating. |
| Anthropology | 10-10:50am, MCC 132 (auditorium) | **Cultural Appropriation as a Western Ideological Construction**  Author(s): Metcalf, Molly Mentor(s): Ossa, Alanna | Cultural appropriation is defined within the United States as the wearing of clothing, accessories and hairstyles from a culture that is not your own. The aim of this research is to understand how cultural appropriation is understood by non-US students. In doing so, I intend to unpack the concept of a "bounded" culture and understand how power dynamics among class helped create this concept to the commodification of identities. |
| Anthropology | 10-10:50am, MCC 132 (auditorium) | **The Effect of College Culture on Student Social Life at SUNY Oswego**  Author(s): Rampersad, Joshua Mentor(s): Ossa, Alanna | This project will evaluate how students define, observe, and participate in college culture at SUNY Oswego. The aim of this research is to evaluate the connection and disconnection between student expectations and how they interact with each other on a college campus. |
| Anthropology | 11AM-12PM, MCC 132 (auditorium) | **Social Barriers in STEM-based Research at SUNY Oswego**  Author(s): Seymour, Mary Mentor(s): Ossa, Alanna | Who participates in faculty-led, STEM-based research at SUNY Oswego? Historically, economic and social barriers have prevented a large portion of the population, including women and minority groups, from contributing to these fields. This project compares STEM participation at Oswego to other STEM-based national statistics to identify social barriers still influencing STEM fields at SUNY Oswego |
| Anthropology | 11AM-12PM, MCC 132 (auditorium) | **Indirect Measures of Student Protein and Vegetable Consumption: a profile comparison of Current to Past Diet**  Author(s): Tai, Kraig Mentor(s): Ossa, Alanna | Protein is one of the three main components of a healthy diet yet there is not an emphasis on consuming the correct amount for your body. This can lead to a variety of issues with physical health. The students of SUNY Oswego from freshman to juniors primarily use the dining halls for their meals. Do the dining halls have adequate meals? Are the students consuming proper portions of these meals? Indirect measures of food waste can be used to assess overall protein and vegetable consumption. This information is compared to previous eras to assess changes and likely health impacts. |
| Anthropology | 11AM-12PM, MCC 132 (auditorium) | **The Issues in Uncertainty: Moral Implications of Identity**  Author(s): Thomas, Dynasty Mentor(s): Ossa, Alanna | We have the liberty to express ourselves on various spectrums: from gender to race, yet uncertainty remains. In our daily interactions, we often find ourselves justifying and surrendering facets of our identity to conform to unspoken moral positioning. This study seeks to investigate the process of constructing and deconstructing our identities through assumed perspectives. |
| Anthropology | 11AM-12PM, MCC 132 (auditorium) | **God, Granny Magic, and Generations: Witchcraft and Religion of West Virginia in the Past, Present, and Photograph**  Author(s): Workman, Leomaris Mentor(s): Ossa, Alanna | This research explores the relationship between traditional Appalachian folk magic in West Virginia and modern-day attitudes towards magic and religion in the region. The project will give local residents of Southern West Virginia the opportunity to express their own interpretations of God, Magic, and Tradition through photography. |
| Anthropology | 11AM-12PM, MCC 132 (auditorium) | **LAMBDA ALPHA AWARDS for Anthropology** |  |
| Art and Design | 9-9:50 AM, Marano 201 | **The Black Andromeda: An exploration of visual renditions of the Black Body in Classic Art.**  Author(s): Robinson, Infiniti Mentor(s): Seppi, Lisa | Because the visual arts have provided thousands of years worth of visualized social, cultural, and mythological phenomena, the visual arts also play a role in creating and influencing our sentiments on such phenomena. While such a responsibility seems objective, it is evident that the process in which artists represent these phenomena is anything but, and my exploration accepts that lived experience and presumption influence the accuracy and quality of such recounts. In my presentation, I use critical approaches to explore how Classic visual artists illustrate the social and cultural notions of Blackness in ancient Greece in a case study of specified. |
| Art and Design | 9-9:50 AM, Marano 201 | **Access for All: Exploring Museum Accessibility Issues and Solutions**  Author(s): Roy, Samantha Mentor(s): Seppi, Lisa | Museums serve as cultural centers and historical institutions that offer enriching experiences for all visitors. However, numerous accessibility challenges prevent the full participation of disabled individuals in these spaces. This paper explores the physical and communication barriers that those with disabilities may encounter. By addressing these challenges and implementing inclusive design practices, museums can create welcoming spaces that cater to all audiences. |
| Art and Design | 9-9:50 AM, Marano 201 | **Threads of Change: Exploring the Political and Social Activism of Yarn Work**  Author(s): Henriquez, Maria Mentor(s): Seppi, Lisa | This paper explores how crafts like crochet, quilting, and knitting emerged as powerful tools for political and social advocacy during the 20th and 21st centuries. The paper will focus on two social and political movements, the AIDS epidemic and the Iraq war, which saw artists use their work as a type of protest and in doing so, demonstrate how yarn work or crafts have evolved past traditional leisure activity to a form of serious artistic activism. |
| Art and Design | 10:00 - 11:50, Marano 201 | **Creative Research in the Visual Arts**  Author(s): Oliveira, Blake, Daniul, Jacob, Dumas, Lilly, Gabriel, Emma, Kenny, Megan, Kozlowski, Katarina, Kresback, Grace, Lyga, Emily, MacMenamie, Anna, Monger, Muna, Monroe, Emma, Pham, Kevin, Silvester, Nicole, Vanderstouw, Viviana, Waddle, Hailee, Walters, Jordan, Wiggins, Jessica, Young, Kora Mentor(s): Entner, Benjamin | Using a modified Pecha Kucha format, students from ART 496 Studio Practicum will present on their creative research - each in just three minutes and twenty seconds! |
| Art and Design | 3:00 - 6PM, Second Floor Tyler Hall - Student Studios | **Student Open Studios**  Author(s): Cwikla, Paul, Hartman-Souder, Gregory, Marx, Caitlin, McCain, Tessa, McCollough, Erin, Pham, Kevin, Smith, Ella, Stelling, Iris, Wiggins, Jessica Mentor(s): Entner, Benjamin | BFA students participating in the Student Studio Program will open the doors to their individual and shared studio work-spaces. Come see a variety of artistic works created as part of coursework and independent projects! |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Depictions of The Body: Adrienne Licata and Tiffani McMahon**  Author(s): Licata, Adrienne and McMahon, Tiffani Mentor(s): Metzgar, Richard | Approaching the topic from diverse viewpoints, Licata states “this series depicts the self-inflicted war between our biological selves and our constructed environments.” Addressing sexual violence against women, McMahon writes “these self-portraits attempt to capture the feeling of being trapped and helpless, in an out-of-body experience many women have faced.” |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Creative Code: Projects in Progress**  Author(s): " Buschfrers, Cedric Hauser, Jacob Husch,Callum Jenks,Alex Keif, Leiann Shuryn, Matt Smith, Lucia " Mentor(s): Thompson, Cara | Students in Art 348/ Art 448 and Art 548 (Creative Code) will be showing their final projects in process. The audience is encouraged to interact with the student projects and talk to the designers about their work. Projects will include games, interfaces, art generators and more! |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Adventures in Virtual Reality**  Author(s): Braia, Olivia Griffin, Daniel Husch, Callum Klawitter, Brenna Lau, Michelle Lawrence, Michaela Montesano, Cristofer Phelan, Joshua Raeisian, Pezhman Reardon, Jack Shuryn, Matt Spann, Ty’shawn Turtel, Jordan Mentor(s): Thompson, Cara | Come immerse yourself in 3d virtual environments! Students will be sharing their VR projects in progress.The audience is encouraged to put on an Oculus headset and dive into unknown worlds! (Options for viewing on screen will also be available.) |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Independent Study Portraits**  Author(s): Leone, Claire Mentor(s): Hunt, Liz | Sharing completed and in-progress work on her Independent Study Project in Illustration. |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Adrift Volume II**  Author(s): Kresback, Grace Hall, Angel Jones, Veronica Mack, Jeremiah Harry, Allyson Bland, Janae Mentor(s): Hunt, Liz & Raicht, Michael | Students presenting and discussing their collaborative work for Adrift Graphic Novel Anthology Volume II. |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Screen Printing Demonstration**  Author(s): Taylor, Olivia Hawkins, Aiden Stack, Sean Elliott, Savanna Smith, Taylor Cummings, Laura Myers, Lauren  Mentor(s): Hunt, Liz | Students from Art 326 Screen Printing and Art 425 Advanced Screen Printing will demonstrate how to pull a print and will assist anyone interested in trying to pull their own print. |
| Art and Design | 3:00 -6PM, Tyler Hall Lobby and Second Floor | **Intaglio with Plexi and a Cricut**  Author(s): Rafferty, Danny Mentor(s): Hunt, Liz | Demonstrating etching a plexi plate with traditional tools and a cricut. |
| Art and Design | 5:00 - 6PM, Tyler Lobby | **Department of Art and Designs**  Annual Conferral of Student Awards Author(s): Clabough, Cynthia | The Department of Art and Design will present its annual student Awards and Scholarships for Merit and Accomplishment. |
| Atmospheric and Geological Sciences | 3-3:50 PM, Shineman 172 Zoom[: https://oswego-edu.zoom.us/j/98547367115](:%20https:/oswego-edu.zoom.us/j/98547367115) | **NSF CAESAR: Field Campaign Investigating Cold Air Outbreaks in the Arctic**  Author(s): Wang, Yonggang | One of Earth's most intense air mass transformations happens when cold Arctic air flows out over the much warmer open oceans in Cold-Air Outbreaks (CAOs). This talk will present an overview of a National Science Foundation (NSF)-supported field campaign that examines the structure of marine boundary layer clouds during CAOs: Cold Air Outbreak Experiment in the Sub-Arctic Region (CAESAR). |
| Atmospheric and Geological Sciences | 3-3:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **Gaining Insight: Experiences as an Undergraduate Partaking in CAESAR**  Author(s): Ragland, Josephine  Mentor(s): Wang, Yonggang | A presentation based on the experiences of undergraduate students doing Cold-Air Outbreak research abroad. As the only undergraduate team, we had a lot to learn from this experience, spanning from how research works to the social aspects of traveling and meeting new scientists. |
| Atmospheric and Geological Sciences | 3-3:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **A Mission on the NCAR C-130 for CAESAR and Preliminary Results from the AVAPS Dropsonde System**  Author(s): Caldon, Ezekiel Mentor(s): Wang, Yonggang | An NCAR C-130 research flight for the CAESAR project is discussed from the perspective of an undergraduate research assistant, including mission objectives, procedures, and the onboard instrumentation and crew. Specifically, the onboard AVAPS Dropsonde System is described and preliminary findings from these soundings are considered. |
| Atmospheric and Geological Sciences | 3-3:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **Communication in the High Latitudes: Struggles from NSF CAESAR and how to Keep Moving Forward**  Author(s): Lamsma, Bee Mentor(s): Wang, Yonggang | The NSF Cold Air Outbreak Experiment in the Sub-Arctic Region (CAESAR) Project took place between 68 N and 81 N. One of the challenges was talking with the research aircraft. This presentation analyzes why the SatCom system was available intermittently and looks to find a solution to this issue. |
| Atmospheric and Geological Sciences | 3-3:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **The Arctic Environment of CAESAR: An Analysis of CAESAR Dropsondes and AROME Model Simulated Soundings**  Author(s): Gryskewicz, Sarah Mentor(s): Wang, Yonggang | The Arctic is warming faster than climate models anticipate, and the Cold Air Outbreak Experiment in the Sub-Arctic Region (CAESAR) aims to understand the marine boundary layer during cold air outbreaks. This analysis includes comparisons of dropsonde and AROME simulated soundings, which are valuable for evaluating model performance and accuracy. |
| Atmospheric and Geological Sciences | 4-4:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **Thundersnow of Project LEE: What Did We Find?**  Author(s): Lamsma, Bee Mentor(s): Steiger, Scott; Wang, Yonggang | NSF Project LEE took place east of Lake Ontario from November 2022 to February 2023 and aimed to study the electric qualities of lake-effect storms. 139 lightning flashes were recorded, most occurring near a wind turbine. By analyzing these interactions, we hope to better understand how thundersnow occurs. |
| Atmospheric and Geological Sciences | 4-4:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **A Numerical Case Study of the 18-19 November Event During the Lake-Effect Electrification Project Using the WRF Model**  Author(s): White, Thomas Mentor(s): Wang, Yonggang; Steiger, Scott | The Weather Research and Forecasting (WRF) model is used to thoroughly analyze the impressive lake-effect storm structure of the second Intensive Observation Period (IOP) of the Lake-Effect Electrification (LEE) project 18-19 November 2022 east of Lake Ontario near the Tug Hill Plateau. |
| Atmospheric and Geological Sciences | 4-4:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **The Total Eclipse in Oswego, New York: Lessons Learned and Relearned**  Author(s): Barber, Katelyn; and NEBP Team | The Nationwide Eclipse Ballooning Project is a coordinated effort of numerous universities studying the recent solar eclipses. Seventeen students collected atmospheric observations of the total eclipse by launching 600 g weather balloons hourly over a 30-hour period beginning on April 7, 2024. Results from this observation period will be discussed. |
| Atmospheric and Geological Sciences | 4-4:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **Simulations of the 2023 Annular Eclipse Utilizing the Weather Research and Forecasting (WRF) model**  Author(s): White, Thomas Mentor(s): Barber, Katelyn | The Weather Research and Forecasting model is used to analyze the atmosphere during the 2023 annular eclipse over New Mexico. A special package is added to WRF to modify shortwave radiation based on the path of the eclipse. Observations collected through the Nationwide Eclipse Ballooning Project are compared to simulations. |
| Atmospheric and Geological Sciences | 4-4:50 PM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/98547367115> | **Gravity Waves Analysis Project**  Author(s): Maslowski, Daniel; Countryman, Justyce ; Dube, Timothy ; Zaug, Duncan; Marten, Thomas Mentor(s): Tenbergen, Bastian; Jie Gong; Barber, Katelyn; Shashi Kanbur | Our software parses GDL code and generates certain atmospheric gravity wave data in a user-friendly click-and-forget manner. The software provides an easy--to-use abstraction over equations and algorithms and allows the user to input radiosonde data and output certain pre-defined gravity wave data representations. |
| Biological Sciences | 9-9:50AM, Shineman 122 | **Subtle plumage color variation in Black Terns is used during mate choice**  Author(s): Davis, Kristina Mentor(s): Baldassarre, Daniel | Male and female Black Terns are difficult to distinguish, but my quantitative analyses revealed that males are slightly darker than females. Additionally, individuals tend to pair with a mate with plumage color different from their own. Together, these results suggest Black Terns exhibit subtle color variation used during mate choice. |
| Biological Sciences | 9-9:50AM, Shineman 122 | **How behavior during downtime correlates to the quality of a training session in bottlenose dolphins**  Author(s): Millo, Angelina Mentor(s): Baldassarre, Daniel | Male Atlantic bottlenose dolphins (Tursiops truncatus) were observed immediately before and after training sessions to understand effects on behavior. A quality rating was collected from each training session to investigate whether behavior can predict quality, and whether quality affects behavior post-session. |
| Biological Sciences | 9-9:50AM, Shineman 122 | **Introducing Nothobranchius Furzeri as a Model System for Aging Research at SUNY Oswego**  Author(s): Streeter, Amanda Mentor(s): Dunn, David | A recirculating housing system was adapted for laboratory use of the annual killifish Nothobranchius Furzeri. An incubator was constructed for embryo development and hatching. A protocol for embryo storage and diapause induction was explored, and 36-day embryo survival rates were analyzed for two strains of N. Furzeri. |
| Biological Sciences | 10-10:50am, Shineman 122 | **Enhanced Ranavirus Detections At Low Concentrations Via Sybr Green Quantitative PCR**  Author(s): Williamson, Najiyah Mentor(s): Hammerly, Susan; Olori, Jennifer; Sard, Nicholas | This study compared two molecular tests, endpoint PCR and SYBR Green quantitative PCR (qPCR), to detect ranavirus in amphibian populations. We found that the odds of detecting Rv infections were higher with qPCR. These results highlight the importance of using reliable and sensitive PCR methods to detect ranavirus in amphibians. |
| Biological Sciences | 10-10:50am, Shineman 122 | **Investigating a null allele affecting an assay used to identify larval coregonine species**  Author(s): Gallagher, Ryan Mentor(s): Sard, Nicholas | Accurate identification is important for Cisco and Lake Whitefish restoration in the Great Lakes. We examined a potential null allele in the Lake Whitefish mitochondrial genome affecting their identification with a PCR-RFLP assay. We also tested if the null allele frequency differed between two common protocols used for species identification. |
| Biological Sciences | 10-10:50am, Shineman 122 | **Identifying historically collected larval coregonines to species using a redesigned genetic assay**  Author(s): Atwood, Collin Mentor(s): Sard, Nicholas | Cisco and Whitefish are prey fish in the Great Lakes; however, their populations have sharply declined. However, their larvae are phenotypically indistinguishable, thus requiring a genetic assay to differentiate the species. We redesigned an established assay to analyze historical samples so that climate drivers of population dynamics can be studied. |
| Biological Sciences | 11-11:50am, Shineman 122 | **The Regulation of Indigoidine Production in the Bacterium Vogesella Indigofera**  Author(s): Babcock, Madison Mentor(s): Newell, Peter | Vogesella indigofera is a freshwater bacterium that produces a blue pigment, indigoidine. Our goal was to understand how indigoidine production is regulated. We made mutations using transposon mutagenesis and screened for strains with altered pigment production. Identifying the mutated DNA sequences will help us determine how they affect indigoidine production. |
| Biological Sciences | 11-11:50am, Shineman 122 | **Does Drosophila melanogaster have an oviposition preference for volatiles produced by aerobic fermentative yeasts?**  Author(s): Sternfeld, Abigail Mentor(s): Newell, Peter | Some yeasts prefer to ferment regardless of oxygen presence, so-called aerobic fermentation, despite it being energetically unfavorable. Drosophila melanogaster uses yeast volatiles as an oviposition cue and demonstrates preferences for certain yeasts. We tested if flies prefer yeasts that exhibit aerobic fermentation, a possible evolutionary mechanism selecting for the trait. |
| Biological Sciences | 11-11:50am, Shineman 122 | **Testing effect of glycocalyx inhibition by mannose on cell adhesion and mechanosensation of Dictyostelium discoideum**  Author(s): Fortuna, Juziyana Mentor(s): Artemenko, Yulia | Social amoeba Dictyostelium discoideum is used as a model organism to understand the role of adhesion in directed motility guided by shear flow. This study addresses whether inhibition of the cell’s sugar coating (glycocalyx) by competition with mannose affects its ability to adhere and sense mechanical cues. |
| Biological Sciences | 11-11:50am, Shineman 122 | **Mutagenesis Screen to Identify Novel Partners of Adhesion Regulator Kinase Responsive to Stress B (KrsB) in Dictyostelium discoideum.**  Author(s): Jones, Quinn Mentor(s): Artemenko, Yulia | Kinase responsive to stress B (KrsB) negatively regulates adhesion in social amoeba Dictyostelium discoideum by an unknown mechanism. To identify regulators or effectors of KrsB, we generated mutants that show changes compared to the parental KrsB-null phenotype and are currently identifying the genomic location of the mutations. |
| Biological Sciences | 3-3:50pm, Shineman 122 | **Assessing the response of wildlife to the 2024 total solar eclipse in Oswego, NY using remote biological monitoring methods**  Author(s): Clark, Amber; Kutny, Griffin; Minns Desirae Mentor(s): Baldassarre, Daniel; Haynes, Kristen; Olori | We are assessing the response of wildlife (birds, bats, and amphibians) to the total solar eclipse on April 8th, 2024 using passive acoustic monitoring. Three recorders are set up surrounding Rice Creek Field Station for the respective wildlife collecting data three days before, during, and after the eclipse. |
| Biological Sciences | 3-3:50pm, Shineman 122 | **Monitoring Disease Dynamics in Amphibian Populations of Oswego County**  Author(s): Zientara, Joy Mentor(s): Olori, Jennifer; Sard, Nicholas, Hammerly, Susan | Globally, amphibian populations are severely declining, in part due to ranavirus and Batrachochytrium dendrobatidis infections. For twelve years, we have studied the prevalence of these two pathogens in local populations of amphibians in Oswego County to study factors influencing associated disease dynamics. |
| Biological Sciences | 3-3:50pm, Shineman 122 | **Determining the cloacal mycobiomes of migratory and residential passerine birds at Rice Creek Field Station**  Author(s): Hiller, Casey, Hiller, Zane Mentor(s): Fisher, Kaitlin | Our goal is to determine whether birds are a vector for dispersing yeasts. Yeasts are unicellular fungi with importance in industry, agriculture, and disease. Many yeasts have global distribution despite no clear mechanism of long-range dispersal. We will test the hypothesis that bird migration is a mechanism of yeast dispersal. |
| Biological Sciences | 4-4:50PM, Shineman 122 | **Exploring yeast ecology by isolating yeasts from different soil types at RCFS**  Author(s): Hurst, Barnaby Mentor(s): Fisher, Kaitlin | While some yeasts are among the best studied laboratory organisms in the world, very little is known about the ecology of yeasts in nature. We are using wetland and non-wetland sites at Rice Creek Field station to isolate, characterize, and compare yeasts associated with different habitat types. |
| Biological Sciences | 4-4:50PM, Shineman 122 | **Investigating the effect of Light Pollution on Local Fireflies**  Author(s): Dicenzi, Dylan Mentor(s): Sime, Karen | Light pollution is an ever growing problem. In this project we found that artificial light can disrupt the mating behavior of Photinus pyralis and other fireflies found at Rice Creek Field Station. Lab studies showed that effects varied depending on the light frequency. |
| Biological Sciences | 4-4:50PM, Shineman 122 | **Prey Reactions to Native and Foreign Predator Scents**  Author(s): Demane, Emma Mentor(s): Sagot, Maria | This study investigates the behavioral responses of prey animals to native and non-native predator scent lures, aiming to understand the significance of scent recognition in prey behaviors. |
| Biological Sciences | 4-4:50PM, Shineman 122 | **Contrasting Prey Preferences: A Comparative Examination Among Local Carnivores**  Author(s): Watters, Daniel Mentor(s): Sagot, Maria | This research investigates prey preferences of cohabiting carnivores using scent lures. Our goal is to understand interspecific competition dynamics and niche partitioning among carnivores at Rice Creek Field Station. |
| Chemistry | 10-10:50 AM, Shineman 175 | **Investigation of Electrochemical Behavior of Ionic Liquids with a Sulfonyl Fluoride Motif**  Author(s): Santariello, Jack Mentor(s): Mirjafari, Arsalan; Niri, Vadoud | Ionic Liquids (IL) have reemerged in the field of electrochemistry due to their potential as a green alternative to traditional batteries using LiPF6. Eight ILs with a Sulfonyl Fluoride Motif have been synthesized, and their electrochemical behavior was investigated using cyclic voltammetry. The electrochemical activity window for each compound was determined. |
| Chemistry | 10-10:50 AM, Shineman 175 | **Lipid-Like Ionic Liquids as Effective and Safe Gene Delivery Vectors**  Author(s): Yeboah, John Mentor(s): Mirjafari, Arsalan | We synthesized low-melting ionizable lipids as carriers for gene delivery. Employing a combination of modular design, synthesis, x-ray analysis, and computational modeling to rationalize the self-assembly and desired physicochemical and biological properties. The results indicate that six-membered ring cationic lipids may serve as modular platform for lipid-mediated gene diagnostic therapy. |
| Chemistry | 10-10:50 AM, Shineman 175 | **Thermochromic Ionic Liquids**  Author(s): Bishuk, Andrew; Britton, Blake Mentor(s): Mirjafari, Arsalan | Organic thermochromic materials could be achieved as an alternative to the toxic metal-based materials of current use. This project aims to answer it is possible to synthesize organic thermochromic ionic materials with high thermal and chemical stability? The objectives being the synthesis and structural and thermophysical characterization of ionic liquids. |
| Chemistry | 11-noon, Shineman 175 | **Storage of DNA Using Ionic Liquids**  Author(s): Bashaw, Cameron Mentor(s): Bendinskas, Kestas | There is growing interest in preserving DNA without the need for industrial freezers. This research explores the protective properties of ionic liquids and control compounds on plasmids exposed to high temperatures. The spectroscopy and plasmid fragmentation experiments indicate the protective properties of ionic liquids. PCR and sequencing experiments will follow. |
| Chemistry | 11-noon, Shineman 175 | **Retention of Volatile Organic Hydrocarbons on Human Hair**  Author(s): Armstrong, Emma; Gibson, Joshua Mentor(s): Haddadi, Shokouh; Niri, Vadoud | Clean hair samples were exposed to known concentrations of volatile organic compounds (VOCs) overnight in a sealed chamber. Head-space solid phase microextraction (HS-SPME) coupled to gas chromatography-mass spectrometry (GC-MS) was used to study VOC retention. Even after several hours of subsequent air exposure, VOCs remained detectable in hair, suggesting its potential use in crime scene reconstruction. |
| Chemistry | 11-noon, Shineman 175 | **Synthesis of Novel Ruthenium Catalysts for Application in Nitrile Hydration**  Author(s): Spearing, Owen Mentor(s): Ounkham, Whalmany | Nitrile hydration is one route to amides, a useful synthetic intermediate to many commercial products. With the use of a metal catalyst, nitrile hydration can be carried out under mild conditions. The design, synthesis, and characterization of a novel ruthenium phosphine complexes as catalysts for nitrile hydration are explored. |
| Chemistry | 11-noon, Shineman 175 | **Investigations of Cu(I)-Centered Photosensitizers for Implementation in LEECs**  Author(s): Ziobro, Tyler Mentor(s): Brown, Thomas | This project highlights the design, synthesis and structural characterization of a small library of monometallic Cu(I)-centered coordination complexes. Moreover, a carefully chosen set of electrochemical analyses will be conducted to assess the photophysical properties of these complexes in the aspiration of incorporating them into light-emitting electrochemical cells (LEECs). |
| Cinema and Screen Studies | 9-9:50AM, MCC 133 | **CONVENIENCE STORE #9**  Author(s): Nolan, Brielle Mentor(s): Schaber, Bennet | A short comedy about a middle-aged man who attempts to rob a convenience store but is foiled when he is recognized by his elderly mother. |
| Cinema and Screen Studies | 9-9:50AM, MCC 133 | **WATCHING THE WORLD GO BY**  Author(s): Butterfield, AJ Mentor(s): Shore, Amy | A short film about a solitary young man who dies and tries to experience everything he missed out on from the afterlife. |
| Cinema and Screen Studies | 9-9:50AM, MCC 133 | **VEIL - A CINEMATOGRAPHER’S VISION**  Author(s): Schneider, Phil Mentor(s): Schaber, Bennet | A short film about a soon-to-be husband and wife looking for a better life outside of their RV home. In an effort to make some money, the boyfriend gets involved in a dicey job that would put them both in danger and lead to a devastating end. |
| Cinema and Screen Studies | 9-9:50 AM, MCC 133 | **PIZZA DELIVERY**  Author(s): Wilder, Falynn Mentor(s): Shore, Amy | Pizza Delivery is a Comedy/Coming-Of-Age short film about two sisters named Maggie and Sam who talk about their challenges and frustrations at the pizza shop that they work at and whether or not they should quit their jobs there. |
| Cinema and Screen Studies | 10-10:50 AM, MCC 133 | **PARANOID**  Author(s): McCormack, Kiernan Mentor(s): Schaber, Bennet | My film Paranoid, is a psychological thriller revolving around a young woman whose recurring dreams, in which she is killed by a masked figure, begin to feel more realistic as they continue to happen. Are they dreams, is this reality, or is she just paranoid? |
| Cinema and Screen Studies | 10-10:50am, MCC 133 | **A SECOND CHANCE**  Author(s): Ascher, Christopher Mentor(s): Schaber, Bennet | "A Second Chance" is a film about alcoholism. It follows Jeremy, a man lost in his wrongful ways of substance abuse, who is stuck in a dream where he finds his subconscious trying to push him down a better path. |
| Cinema and Screen Studies | 10-10:50am, MCC 133 | **THE OVERLOOK**  Author(s): Murphy, Brady Mentor(s): Shore, Amy | The Overlook is an original screenplay concept that is a love letter to the slasher genre. |
| Cinema and Screen Studies | 10-10:50am, MCC 133 | **THE WATCHED**  Author(s): Cortazar, Bianca Mentor(s): Schaber, Bennet | A short psychological thriller about a girl being stalked and followed around her school campus, town, and even in her home. This short is meant to depict the feeling of being a woman and feeling eyes on you everywhere you go. |
| Cinema and Screen Studies | 11-11:50am, MCC 133 | **MELTDOWN**  Author(s): Jeffers, Ian Mentor(s): Schaber, Bennet | "Meltdown" is a short film centered around a film set that quickly falls into disarray. The film examines the internal and external frustrations of this toxic work environment. |
| Cinema and Screen Studies | 11-11:50am, MCC 133 | **FALLINGWATER**  Author(s): Ogura, Shotaro Mentor(s): Schaber, Bennet | A short film about an international student from South Korea who heads to Fallingwater, a place he had always wanted to visit with his friend before returning to his home country. |
| Cinema and Screen Studies | 11-11:50am, MCC 133 | **THE HITCHHICKERS**  Author(s): Weiss, Jason Mentor(s): Schaber, Bennet | After Jake's car breaks down, he's forced to hitchhike towards his destination: a casino. This is where he plans on doubling the unofficial inheritance left for him and his sister by their Grandmother. On the journey, Jake questions what he is doing. |
| Cinema and Screen Studies | 11-11:50am, MCC 133 | **ESCAPING ÉLAN**  Author(s): Davis, Jon Mentor(s): Shore, Amy | The Escaping Élan television pilot and supplemental video will focus on the stories of the individuals who lived through the abuse rampant at this school for “troubled teens.”. The staff’s use of “humiliation therapy” and corporal punishment will be explored, along with the modern state of the boarding school. |
| Cinema and Screen Studies | 3-3:50 PM, MCC 133 | **SUNSETS**  Author(s): Smith, Lauren Mentor(s): Shore, Amy | A short film about two girls hiding their relationship from their families. They go on a roadtrip and ultimately decide they would rather take their chances on their own than feel like they have to hide who they are back home. |
| Cinema and Screen Studies | 3-3:50 PM, MCC 133 | **CHILDREN OF THE FOREST**  Author(s): Jacquin, Jordan Mentor(s): Shore, Amy | A feature-length screenplay (horror/drama) that follows a man working overnight at a children’s summer camp. As he deals with the recent loss of his mother, he must also come to terms with the evil hidden inside the camp. |
| Cinema and Screen Studies | 3-3:50 PM, MCC 133 | **THOUGHTS OF ONE**  Author(s): Redmond, Abigail Mentor(s): Schaber, Bennet | A short film that dives into the vulnerable reality of individuals living with mental illness and the impact on themselves and others. |
| Cinema and Screen Studies | 3-3:50 PM, MCC 133 | **SUBCONCIOUS**  Author(s): Campbell, Nicholas Mentor(s): Schaber, Bennet | A proof of concept for a horror/thriller about PTSD and how the traumatic images haunt you. |
| Cinema and Screen Studies | 4-4:50 PM, MCC 133 | **DIGITAL FILM CRITICISM: A DIAMOND IN THE ROUGH**  Author(s): Censak, Connor Mentor(s): Shore, Amy | An original research paper focusing on the dispute between the few traditional film critics of an older generation and the online masses of the present, with particular attention to the idea that there exists an untapped goldmine of potential in democratic film analysis. |
| Cinema and Screen Studies | 4-4:50 PM, MCC 133 | **LANDSCAPE PHOTO SLIDESHOW**  Author(s): Cozza, Shepard Mentor(s): Shore, Amy | A video slideshow of landscape pictures taken at state parks matched with music to explore the beauty of upstate New York. |
| Cinema and Screen Studies | 4-4:50 PM, MCC 133 | **DEFINING DEDO**  Author(s): Mangovski, Eric Mentor(s): Shore, Amy | A documentary about my grandfather's story and experiences from before and after immigrating to America in the 1970s. |
| Cinema and Screen Studies | 5-6 PM, MCC 133 | **BLAZING TRAILS: A STONER’S QUEST FOR BIGFOOT**  Author(s): Cintron, Milo Mentor(s): Schaber, Bennet | After four stoner roommates lose their jobs, they see an ad for a big cash reward to capture the elusive Bigfoot. The company offering the reward turns out to be the government, and the crew must band together to find a way to triumph over the man. |
| Cinema and Screen Studies | 5-6 PM, MCC 133 | **PICKPOCKET: PICKING THE RIGHT POCKET**  Author(s): Najam, Sana Mentor(s): Schaber, Bennet | A man in trouble hides out in a small town and is found by a stranger who makes him an offer. After being blackmailed by the stranger to become town thieves, he realizes he wants to change his ways, but would the stranger allow it? |
| Cinema and Screen Studies | 5-6 PM, MCC 133 | **BACKSEAT DRIVER**  Author(s): Figueroa, Zion Mentor(s): Shore, Amy | A presentation detailing the influences and development of a psychological thriller short film focused on a shy, directionless high school graduate who takes a late night drive led by his driving instructor who manipulates him into losing control. |
| Cinema and Screen Studies | 5-6 PM, MCC 133 | **WHISPERS OF THE PAST**  Author(s): Solomon, Chinyere J.T. Mentor(s): Shore, Amy | A thriller/horror short film focusing on the haunted depths of an abandoned sorority house. Journalist Jackie Brown delves into the house’s chilling history only to find herself entangled in a web of whispers and terror as its dark secrets unravel before her eyes. |
| Communication Studies Department | 4-4:50 PM, MCC 132 (auditorium) Zoom: <https://oswego-edu.zoom.us/j/99186828636> | **Covering the Eclipse: Student-Produced Special Event Coverage**  Author(s): Gabrielle Lagatella Mentor(s): Catherine Loper | Covering the Eclipse: Student-Produced Special Event Coverage |
| Communication Studies Department | 3-4 PM, 17 April 2024, Marano 201 Zoom: <https://oswego-edu.zoom.us/j/97865244131> | **Water and Emergency Management: Theorizing Social Media-Mediated Community Resilience**  Author(s): Khairul Islam | This research seeks to investigate how social media-mediated communication ecology can facilitate coordination among various stakeholders, including citizen groups, local news media, and government agencies in the Great Lakes watershed regions. Specifically, this research will theorize about Social Media-Mediated Community Resilience (SMMCR) during water emergencies. |
| Communication Studies Department | 4-5 PM, 17 April 2024, Marano 201 Zoom: <https://oswego-edu.zoom.us/j/96206042574> | **Generative Artificial Intelligence in Crisis Communication: A Systematic Review**  Author(s): Khairul Islam | Applying the Situational Communication Crisis Theory and the Three-Stage Model, this proposed research conducts a systematic review to identify best practices for GenAI in crisis communication, spanning pre-crisis preparation, crisis response, and recovery. In this process, the research explores four scholarly databases, including Google Scholar, PsychInfo, PubMed, and Communication and Mass Media Complete (CMMC) |
| Communication Studies Department | 4-5 PM, 17 April 2024, Marano 201 Zoom: <https://oswego-edu.zoom.us/j/96206042574> | **Generative Artificial Intelligence in Crisis Communication: A Systematic Review**  Author(s): Rochelle Burke Mentor(s): Khairul Islam | Applying the Situational Communication Crisis Theory and the Three-Stage Model, this proposed research conducts a systematic review to identify best practices for GenAI in crisis communication, spanning pre-crisis preparation, crisis response, and recovery. In this process, the research explores four scholarly databases, including Google Scholar, PsychInfo, PubMed, and Communication and Mass Media Complete (CMMC) |
| Communication Studies Department | 4-4:50 PM, MCC 132 (auditorium) Zoom: <https://oswego-edu.zoom.us/j/99186828636> | **Covering the Eclipse: Student-Produced Special Event Coverage**  Author(s): Jolie Santiago Mentor(s): Catherine Loper | Covering the Eclipse: Student-Produced Special Event Coverage |
| Communication Studies Department - SCMA | 5-6 PM, MCC 132 (auditorium) | **Analysis of Lady-boxers by Culprit Studios using the Feminist Perspective (COM 302)**  Author(s): Hall, Angel | In this panel, members of Lambda Pi Eta, the National Communication Honor Society, will present selected scholarly papers representing the array of methodologies, analytics, and artifacts examined in our discipline. After four 10-12 minute presentations, the panel will conclude with audience questions and discussion. |
| Communication Studies Department - SCMA | 5-6 PM, MCC 132 (auditorium) | **Student-Instructor Relationships and Communication Privacy Management (COM 499)**  Author(s): Cornell, Emily |  |
| Communication Studies Department - SCMA | 5-6 PM, MCC 132 (auditorium) | **Resilience Representation: Examining Black Panther (COM 302)**  Author(s): Belcher, Kadijah |  |
| Communication Studies Department - SCMA | 5-6 PM, MCC 132 (auditorium) | **Protecting Digital Freedom: Reforming DMCA for Content Creators (BRC 319)**  Author(s): White, Lethe |  |
| Communication Studies Department - SCMA | 6-7 PM, MCC 132 (auditorium) Zoom: <https://oswego-edu.zoom.us/j/95038506160> | **Lambda Pi Eta Spring Ceremony** | This annual ceremony celebrates newly inducted members and graduating seniors of Lambda Pi Eta, the National Communication Honor Society. Members, their guests, faculty, and guests of the Communication Studies department are invited to join in the festivities happening from 6-7 PM. |
| Computer Science | 10-10:50 AM, Shineman 174 Zoom: <https://oswego-edu.zoom.us/j/98093256967> | **The dangers of "I could automate this"**  Author(s): Fereira, Eli Mentor(s): Lea, Doug | I describe the process of starting a personal project with little to no previous experience. I outline different techniques for managing a lot of state, the importance of planning, and overall advice for picking projects to learn a new skill. |
| Computer Science | 10-10:50 AM, Shineman 174 Zoom: <https://oswego-edu.zoom.us/j/98093256967> | **Card-O-Rama**  Author(s): Hennigan, David Mentor(s): Early, James | This presentation will feature concepts I've picked up throughout the pursuit of a Software Engineering Degree and different challenges I faced when trying to use new software.Card-O-Rama is a full stack web application that features a Svelte Frontend, Spring Boot REST api, MariaDB for persistence, Google OAuth2 for authentication, and much more! |
| Computer Science | 11-noon, Shineman 174 Zoom: <https://oswego-edu.zoom.us/j/98093256967> | **Teaching an Old Robot New Tricks**  Author(s): Lockwood, Victor Mentor(s): Lindstedt, John | During the 2022-2023 academic year, I worked on fixing two of HCI’s old Nao robots, which at that point were inoperable for around 6 years. The journey of fixing these was one of frustration, dead links, wild goose chases and, in the end, great reward - my boys can talk now! |
| Computer Science | 11-noon, Shineman 174 Zoom: <https://oswego-edu.zoom.us/j/98093256967> | **Prescrip-Pal**  Author(s): Uliano, Ethan Mentor(s): Early, James | This presentation will discuss the process and hurdles experienced in developing a full-stack mobile phone application. Prescrip-Pal is a mobile app, designed for easy use for users with both technical and non-technical backgrounds. The goal of the application is to allow users to enter medications they are taking, and then receive notifications when the medication is to be taken, as well as other features. Technologies used include Django(Python web framework), React Native, and a MySql database connection for data persistence. |
| Counseling and Psychological Services | 10am-11am, Marano 142 | **Growing Pains: School Psychologists’ Knowledge of Reading**  Author(s): Wood, Joseph; Storie, Michelle Mentor(s): Storie, Michelle; Kilpatrick, David | Are future school psychologists receiving adequate training in the science of reading? This current study surveys school psychologists to explore their training and perceived knowledge of reading instruction. Expanding on previous efforts, this study investigates the growing interest and current role of evidence-based instruction in reading assessments and interventions. |
| Counseling and Psychological Services | 3 to 4, Marano 142 | **Play Therapy and Academic Achievement**  Author(s): Westvig, Rebecca Mentor(s): Mullen, Jodi | A presentation that gives a brief overview of child-centered play therapy while highlighting the importance of play therapy within schools. While also linking play therapy to academic achievement and examining the effects of play therapy on academic achievement across recent empirical studies. |
| Counseling and Psychological Services | 4 to 5, Marano 142 | **Discussing Diversity Issues in Society Using Disney and Marvel**  Author(s): Gonzalez, Tiphanie Mentor(s): | This presentation will discuss the use of Disney and Marvel films as a tool when exploring and discussing diversity issues in society. The discussion on the intersectional identities of individuals and their relationships to powerful social constructs which can lead to biases, the use and experience of microaggressions, and implicit bias. |
| Counseling and Psychological Services | 5pm - 6pm, Marano 142 | **Chi Sigma Iota International Honor Society Sigma Nu Chi Chapter Informational and Future Plan**  Author(s): Gonzalez, Tiphanie; Miller, Daniel | This program will provide an overview of the International Counseling Honor Society Chi Sigma Iota SUNY Oswego chapter Sigma Nu Chi both as an international organization and here on campus. |
| Creative Writing Program | 10 am-noon, MCC 114 | **Winners of the 2024 Creative Writing Awards**  Winning works in poetry, fiction, creative nonfiction, screenwriting, playwriting, graphic novel writing, and digital storytelling will be identified shortly before Quest | The Creative Writing Awards feature students reading excerpts from this year's winning pieces in poetry, fiction, creative nonfiction, screenwriting, playwriting, graphic novel writing, and digital storytelling. We will also read the external judge's comments on the winning students' work, and will recognize students receiving honorable mention awards. |
| Curriculum & Instruction | 9-10 AM, Shineman 196 Zoom: <https://oswego-edu.zoom.us/j/96846119469> | **Predictors of Danmaku Video Adoption by Pre-Service Educators**  Author(s): Liu, Bo Mentor(s): Yang, Harrison | This study explores factors influencing pre-service teachers' acceptance of danmaku video apps in online education, using the UTAUT model. Social influence and habits emerged as key predictors, with gender, grade level, and experience moderating. Understanding these dynamics is crucial for enhancing the integration of danmaku videos in educational settings. |
| Curriculum & Instruction | 45576, Shineman 196 Zoom: <https://oswego-edu.zoom.us/j/96846119469> | **Assessing ICT Literacy Among East Asian Students**  Author(s): Liu, Jinghan Mentor(s): Yang, Harrison | The 2022 PISA assessment focused on secondary students' ICT literacy, probing risk awareness, attitudes toward regulations, online content trust, and ICT interest. This study investigates ICT engagement in Hong Kong, Japan, and South Korea, finding higher engagement among students with more electronic devices. In Hong Kong, parental education correlates positively with engagement. |
| Curriculum & Instruction | 11AM - 12PM, Shineman 196 | **Substitutions & Retellings: A Conversation about the Canon and YA Literature**  Author(s): Fleming, Sarah; Radhakrishnan, Ritu | Please come join us for a conversation about the literary canon, its place in contemporary English Language Arts instruction, and ways to engage young adult literature alongside it. Let's consider modern retellings and/or substitutions, and dig into what great YA lit is available for classroom instruction. Bring your favorite text with you, and tell us all about it! |
| Economics | 9-9:50 AM, MCC 225 | **The Unraveling of State-Level Alcohol Prohibitions in the USA**  Author(s): Ranjit Dighe | National Prohibition (1920-1933) was preceded by a seventy-year period of state-level prohibition activity, but national Repeal was followed by the almost complete disappearance of statewide prohibition laws within a few years. This is remarkable, considering that state-level Prohibition was well entrenched by 1919, as two-thirds of the states had it. State enforcement laws to complement the national Volstead Act in enforcing national Prohibition strengthened those prohibitions further. Ten states never ratified the Repeal amendment, and a substantial portion of the American people, perhaps concentrated in historically dry states, still favored prohibition. So why did prohibition fade so fast at the state level? Our research will draw on available quantitative and qualitative sources to document and explain the dismantling of the web of state alcohol prohibitions. One possible explanation is that it was still the Great Depression and cash-strapped states wanted the revenues from liquor taxes and from economic activity generated by the alcoholic beverages industry. Another is the drop in support for national Prohibition, which may have been accompanied by a sense that it was not working at the state level either. Yet another is the bevy of prominent liquor control alternatives, which tended to focus on curbing public drunkenness and limiting the availability of alcoholic beverages. Lobbying by the alcoholic beverages industry, particularly the brewers, who had made an early comeback thanks to legalized 3.2% beer in the spring of 1933, may have played a role as well. Regarding the relative speed of repeal in different states, possible factors include the use of referendums, changing political composition, and fiscal considerations. |
| Economics | 9-9:50 AM, MCC 225 | **The Causes, Effects and Legacies of the Great Migration in the United States: Review and Reflection.**  Author(s): Sangning Chen Mentor(s): Ranjit Dighe | The Great Migration, an unprecedented demographic shift that occurred roughly from the 1910s to the 1970s, involved the relocation of approximately six million African Americans from the Southern United States to the Northern, Midwestern, and Western regions of the country, making it one of the most significant internal migrations in American history. This study is a comprehensive review of scholarly research on the Great Migration. Drawing upon economic, historical, and sociological studies, this review analyzes the complex factors that triggered and sustained the migration, including racial oppression, economic hardships, and the allure of job opportunities. It also delves into the multi-faceted impacts on the migrants, their descendants, and the broader American society, highlighting both the economic gains and the challenges faced, such as residential segregation and barriers to upward mobility. Moreover, the review explores the migration's broader social, political, and cultural implications, identifying areas for further research and underscoring its enduring relevance for understanding contemporary issues of racial inequality, urban poverty, and social change in America. |
| Economics | 10-10:50 AM, MCC 225 | **Joint Membership in BRICS and its Effect on Trade using the Gravity Framework**  Author(s): Adam Reiter Mentor(s): Mihai Paraschiv | This paper investigates if BRICS membership increases trade volumes using the gravity model. I go over an evolution of the model and why using the modern equation is important. I observe that joint membership in BRICS increases trade volume by approximately 21%. This is consistent with the theory of the gravity model. The case of this can be attributed to their joint cooperation via summits. To my knowledge, there are no published papers exploring the effect of BRICS membership using the gravity model. More robustness checks are necessary to ensure validity of the results. |
| Economics | 10-10:50 AM, MCC 225 | **Examining the Relationship Between Language Planning Initiatives and Participation in International Trade In Multilingual Societies**  Author(s): Marie Parker Mentor(s): Eric Blanchard and Jing Lei | I am studying language planning initiatives so that I can determine how they influence participation in international trade in diglossic societies. Language policy and planning initiatives directly influence education, public administration, and business, and these effects are visible throughout a country’s economy. Diglossic societies are those which have multiple languages serving different social functions, and my research seeks to examine how language planning policies have improved the ability or willingness of these countries to participate in trade with countries that do not share their language. I will do this by examining imports, exports, and other indicators of economic development and comparing them with timelines of language policy implementation. I will also account for important historical events such as regime changes which may have impacted economic policies and subsequent development with the ultimate goal of drawing attention to the importance of these largely understudied policies and their wider impacts on the economy. |
| Economics | 10-10:50 AM, MCC 225 | **Bilateral Labor Agreements and the Margins of Trade**  Author(s): Mihai Paraschiv | Despite the post-World War II proliferation of bilateral labor agreements (BLAs), their effect on trade has received little attention. This paper combines a novel BLAs dataset with trade data for 207 exporters and importers between 1962 and 2018 and, in a gravity framework, finds that BLAs have positive and significant effects on aggregate exports over a five-year period since signature (i.e., 7%). Further evidence suggests that the BLAs’ trade-promotion effects unfold primarily along the intensive margin, especially within sectors that are characterized by product differentiation. Together, the results suggest that BLAs necessarily lower the variable transaction costs. |
| Electrical and Computer Engineering | 3-3:50 PM, Shineman 174 | **Real-time Data Sparsification for High Energy X-ray Diffraction Microscopy Experiments**  Author(s): Hromalik, Marianne S. Mentor(s): Office of Naval Research (ONR) in collaboration with the Cornell High Energy Synchrotron Source | High Energy Diffraction Microscopy (HEDM) is a process by which X-rays are used to probe the internal structure of metals undergoing strain. A method for recording Angular Regions of Interest (AROI) of detector data that allows for real-time ML processing, reduced storage requirements and in-situ experimental adjustments, will be presented. |
| Electrical and Computer Engineering | 3-3:50 PM, Shineman 174 | **Autonomous UV-C Cleaning Robot**  Author(s): Anthony, Nicole; Kenyon, Brandon; Manchanda, Pranjal Mentor(s): Ayad, Mustafa | This project is primarily focused on the area of autonomous navigation, which is a rapidly evolving field. The goal of this project is to create an autonomously navigating cleaning robot. The robot will autonomously navigate the area it is placed in, disinfecting the surface it is placed on using UV-C light. By using a variety of sensor hardware such as ultrasonic and LiDAR rangefinders, the robot will be able to navigate the area while avoiding obstacles and walls, and without performing overlapping passes. Ultrasonic sensors will allow the detection of obstacles near the robot, and a rotating 360-degree LiDAR scanner will allow the robot to determine its position based on the walls and other features in the environment being cleaned. If the robot leaves its path to avoid an obstacle, the robot will be able to return to that path, once the obstacle is no longer obstructing the robot's path. |
| Electrical and Computer Engineering | 3-3:50 PM, Shineman 174 | **Autonomous Smart Mouse Trap**  Author(s): Green, Riley; Allison, Alex; Sidibe, Sory Mentor(s): Ayad, Mustafa | The Smart Mouse Trap project employs advanced sensors alongside a Raspberry Pi to humanely and effectively trap mice, focusing on safety, non-target species protection, and environmental conservation. It operates autonomously, integrating technology with pest control, to provide a live updated dashboard to the proposed homeowner or business on mice statistics. |
| Electrical and Computer Engineering | 4-4:50 PM, Shineman 174 | **Electric Skateboard**  Author(s): Hastings, Devon; Moses, Collin; Brown, Zachary Mentor(s): Ayad, Mustafa | For our project we aimed to create an electric skateboard to support students' transportation across campus. The skateboard will be controlled by pressure sensors atop of the board and powered by two motors. The communication between all components will be held in a microcontroller. |
| Electrical and Computer Engineering | 4-4:50 PM, Shineman 174 | **CNC Pancake Printer**  Author(s): Hagan, Scott; Cira, Nicholas Mentor(s): Ayad, Mustafa | In this project, we've developed a CNC robot moving in 2 axes to extrude pancake batter along a specified toolpath onto a heated griddle. Code will convert images to vectors for toolpath generation. Controlled by a microcontroller, stepper motors position the printhead, while an air pump controls fluid extrusion. |
| Electrical and Computer Engineering | 4-4:50 PM, Shineman 174 | **Investigation of New Ionic Actuators**  Author(s): Deosaran, Likashmi; Gallagher, Jack Mentor(s): Ieta, Adrian | Ionic wind is the motion of air induced by ions in an electric field. We investigate systems that use ionic wind to induce linear or rotational motion. We designed an ionic system able to liftoff when powered by high voltage. Rotary ionic systems consisting of an ionic propeller and a toroidal ground were also studied for optimization. |
| English and Creative Writing; Art | 3-3:50 pm, MCC 211 | **Geometric Abstraction: Paintings**  Author(s): Advanced Painting Students Mentor(s): Romano, Mario | Students in ART 415: Advanced Painting share their geometric abstraction paintings and discuss their process. |
| English and Creative Writing; Art | 3-3:50 pm, MCC 211 | **Ekphrasis: Poetry Inspired by Paintings**  Author(s): Advanced Poetry Students Mentor(s): Donnelly, Laura | Students in CRW 405: Advanced Poetry read poems they wrote in response to art students' paintings and discuss their process. |
| EXCEL | 3:00-3:50pm, Shineman 175 | **Let's Talk: Focus Forward & OCP!**  Author(s): Focus Forward and OCP Mentors Mentor(s): O'Connor, Kevin; Owen, Adian | A panel of current mentors will sit down and answer prewritten questions aloud to the audience about mentorship in Focus Forward & Oswego Children's Project. |
| EXCEL | 4 to 5, Shineman 175 | **Oz Experience Showcase**  Mentor(s): Joyce, Jenn | Getting experience helps our students EXCEL! 10 SUNY Oswego undergraduate students will highlight their academic internships, service-learning, or co-op experiences while competing for presentation awards during the Oz Internship Showcase. |
| French | 10-11 am, 242 Marano Campus Center | **French Forum**  Author(s): Dr. Lenuta Giukin |  |
| Health Promotion and Wellness | 9-9:50 AM, Shineman 174 Zoom: <https://oswego-edu.zoom.us/j/9761360825> | **The Zestful Living Program - Brain Health Intervention**  Author(s): Owens 1, Irene 1, Chanco 2, Luissa 2, Henderson 3, Molly 3 Mentor(s): Seo, Minjung | Interested in learning how physical activity and brain games can improve cognitive health and the quality of life for older adults? Come join wellness managment senior students’ presentation on their experience working with older adults at assisted living facilities in Oswego as part of the Zestful Living Program. |
| History | 9-9:50 AM, MCC 211 | **The Curse of the Black Ham: The Evolution of the African Spirit from Conception to Conquest. Creating the African American presented Today**  Author(s): Shorter, Samantha  Mentor(s): Marshall, Ken Dr. |  |
| History | 9-9:50 AM, MCC 211 | **Fair Escapism: American Parks, Amusements, Landscapes, and Society from 1850 to 1915**  Author(s): Santiago, Bryan.  Mentor(s): Byrne, Frank, Dr. |  |
| History | 9-9:50 AM, MCC 211 | **The Battle of Hampton Roads: The Dawn of the Industrial Era of Naval Warfare**  Author(s): Anderson, Jared Mentor(s): Hernandez, Leo Dr. |  |
| History | 10-10:50 AM, MCC 211 | **The Evolution of The Flying Dutchman**  Author(s): Fahy, Kyla Mentor(s): Hernandez, Leo Dr. |  |
| History | 10-10:50 AM, MCC 211 | **Exploring the Battle of Baltimore through Primary Sources**  Author(s): Coulter, Paige Mentor(s): Hernandez, Leo Dr. |  |
| History | 10-10:50 AM, MCC 211 | **“1833”**  Author(s): Padron Molina, David Mentor(s): Hernandez, Leo Dr. |  |
| Induction to the French and Spanish Honor Societies | 9:00 am-10:00 am &  10:00am - 11:00 am, 242 Marano Campus Center | **Induction Ceremony - French Honor Society & Spanish Honor Society** |  |
| Library | 8-8:50, Penfield's Library, Speaker's Corner | **Penfield's Library, Speaker's Corner** |  |
| Linguistics | 11-noon, MCC 242 | **A Linguistic Investigation of Nepali**  Author(s): Bangs, Hannah; Gao, Jeremy; Lambkin, Alyssa; White, Samantha Mentor(s): Yeung, Alex Hong-Lun | In this presentation, we explore the fundamental aspects of the Nepali language, covering its phonetics, phonology, and morphology. Drawing comparisons with English, we highlight key structural differences and similarities, offering insights into the sound system, pronunciation patterns, and word formation processes of Nepali, facilitating understanding of an unfamiliar language. |
| Mathematics | 9-9:50 AM, MCC 306 | **Teaching/Research in Mathematics. A new major in Statistics and minor in Actuary**  Author(s): Nanthakumar, Ampalavanar; Hanusch, Sarah ; Churchill, Gregory; Senarathna, Dinushani | During our panel discussion, we will share our teaching and research related experiences, including descriptions of research projects we have completed with students. Additionally, our department recently introduced a new major in Statistics and a minor in Actuarial Science. We will discuss the benefits to students who complete these programs. |
| Mathematics | 10-10:50 AM, MCC 306 | **Sudoku- A Bridge to Proof Writing**  Author(s): Fahnestock, Brittney Mentor(s): Hanusch, Sarah | This study used a pre/post test design to evaluate curriculum materials that teach students how to validate proofs. The curriculum incorporates proof frameworks and the Toulmin argument structure. The findings suggest that integrating validation techniques can address students‚Äô struggles with proof validation. |
| Mathematics | 10-10:50 AM, MCC 306 | **Simplicial Homology and the Classification of Surfaces**  Author(s): Fahnestock, Brittney; Helfgott, Tyler Mentor(s): Greg Schneider | Learn how to turn mugs into donuts as we explore the Classification of Closed Surfaces. Using simplicial homology, we will show how surfaces can be classified (up to homeomorphism) as one of four standard types: a sphere, projective plane, n-fold torus, or m-fold projective plane. |
| Music | 2:00-3:00, Tyler 50 Zoom: <https://oswego-edu.zoom.us/j/98580461846> | **Audio Recording & Production Recital- Recording Technology IV Students**  Author(s): Wood, Daniel Mentor(s): Wood, Daniel | Recording IV is a senior seminar course for Audio Recording and Production majors. This recital will showcase student work from their semester-long Album Production projects. Students will introduce and then play the singles from their albums. |
| Music | 3-5 pm, Tyler 50 Zoom: <https://oswego-edu.zoom.us/j/98580461846> | **Songs We Love - Adapting a Broad Range of Music for a Jazz Small Group**  Author(s): Antonelli, Angelo; Arlington, Hayden; Caselli, Cecelia; Jack, Yakira; Russo, Logan; Thielemann, Nicholas Mentor(s): Schmitz, Eric | Jazz Small Group members were asked to suggest music they love, regardless of style. Students selected the music, located notated versions (or transcribed it by ear) and adapted their piece for the Jazz Small Group. Students will discuss the process, including the challenges they faced. The presentation will culminate in a performance. |
| Office of International Education and Programs | 11AM - 12PM, MCC 306 | **Virtual Visitation: The Art of Study Abroad in Reel Time**  Author(s): Adams, Kris; Thelen, Nicholas Mentor(s): Adams, Kris | 2023 Fall semester marked the first time the Office of International Education hired a Study Abroad Mentor (SAM) to work virtually while studying abroad. SAM, Nick Thelen, and SAM's Manager, Kris Adams, share the planning and execution of a virtual semester abroad and its impact on prospective students. |
| Philosophy | 11-11:50 am, MCC 211 | **Faith in Science**  Author(s): Stewart, Jeffrey Mentor(s): DeLancey, Craig; Peterson, Jared | I discuss problems with the idea that we should have faith in science, and describe how to prevent these problems. |
| Philosophy | 11-11:50 am, MCC 211 | **"What came first, the Chicken or the Egg?"**  Author(s): Handley, Ava Mentor(s): DeLancey, Craig | I argue that poverty and affluence influence the emergence and development of social norms, drawing upon Hobbe's notion of the state of nature; this is in opposition to the view that social norms alone cause affluence. |
| Physics and Astronomy | 9-9:50 AM, Shineman 172  Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Common Misconceptions in Classical Mechanics and How to Address Them at Undergraduate Physics Level**  Author(s): Boutwell, Noah Mentor(s): Ilie, Carolina | This study seeks to observe the relationship between past physics experiences and how well a student understands basic classical mechanics. Through a survey of students currently taking a college level physics course, we sought to gather information about whether or not they had a physics class before, how good it was, and how well they understand some basic physics problems. The student background, as a previous physics course, the learning material used in class, the quality and charisma of the physics teacher, as well as the inspiration for pursuing a STEM major are also discussed. We believe there should be a correlation between good teaching and teaching strategies and a good understanding of mechanics. |
| Physics and Astronomy | 9-9:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Physics of Suspension Systems**  Author(s): Turallo, Joel; Sandoval, William Mentor(s): Ilie, Carolina | Ouch! The roof of your car meets the top of your head with a thud. What happened to your suspension system? For as long as people have had destinations, people have had means of getting them there. From walking and horseback riding to modern day cars, suspension systems have always been in place to lessen the wear and tear of the journey on the traveler. This will be a brief overview of the mechanics in suspension systems discussing application, development of technology, and the motion they exhibit. |
| Physics and Astronomy | 9-9:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **High Speed Thrills: The Physics Behind Roller Coasters**  Author(s): Miskovsky, Stephen; Zegel Sean Mentor(s): Ilie, Carolina | This paper explores the advanced mechanics of roller coasters, focusing on the factors that contribute to their thrilling and dynamic nature. By analyzing the physics, engineering, and design principles behind roller coaster dynamics, this study aims to enhance our understanding of the complex forces and dynamics at play during a roller coaster ride. Specifically, the paper investigates the role of gravity, momentum, friction, and acceleration in shaping the high-speed twists, turns, loops, and drops that create the roller coaster experience. Additionally, the paper discusses the thrill experience that the rider feels due to the G force, along with their safety procedures. Ultimately, this research aims to deepen appreciation for the science of roller coasters. |
| Physics and Astronomy | 9-9:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Unveiling the Physics of Interplanetary Travel: A Study on Spacecraft Propulsion Towards Mars**  Author(s): Thomas, Daniel; Ndiaye, Fatou, Williams, Akhalia,  Mentor(s): Ilie, Carolina | Since the discovery of the red planet, man has longed for its exploration. However, with basic engines, humans are limited by access to methods of propulsion that can allow them to successfully reach Mars. In recent years, companies such as NASA and SpaceX have explored the mechanics of propulsion to come up with new techniques for more efficiency. This presentation will navigate through the construction of an engine capable of traveling to Mars. |
| Physics and Astronomy | 9-9:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Investigating electromagnetically induced transparency (EIT) in cesium**  Author(s): Rajguru, Param Mentor(s): Rupasinghe, Priyanka | A ladder-type electromagnetically induced transparency (EIT) is investigated in cesium gas. We use two homemade external-cavity diode lasers (ECDL) to produce a weak probe beam at 852.3 nm (6S1/2 → 6P3/2) and a strong coupling beam at 520.3 nm (6P3/2 → 18D5/2). Preliminary EIT signals at different coupling beam powers have been observed. The current progress of the investigation is presented. |
| Physics and Astronomy | 10-10:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Gamma Ray Spectroscopy with NaI Scintillator Detectors**  Author(s): Zegel, Sean; Miskovsky, Stephen; Thomas, Daniel Mentor(s): Caraley, Anne |  |
| Physics and Astronomy | 10-10:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Interaction of Electromagnetic Radiation with Matter: Compton Scattering**  Author(s): MIskovsky, Stephen; Thomas, Daniel; Zegel, Sean Mentor(s): Caraley, Anne |  |
| Physics and Astronomy | 10-10:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **X-ray Spectroscopy and Applications**  Author(s): Thimas, Daniel; Miskovsky, Stephen; Zegel, Sean Mentor(s): Caraley, Anne |  |
| Physics and Astronomy | 10-10:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Exploring the Unique Characteristics of PSR B1937+21 through High Time Observations**  Author(s): Chowdhury, Shaheen Mentor(s): Lewandowska, Natalia | This research project focuses on a detailed investigation of the radio characteristics of B1937+21. It is the first millisecond pulsar discovered in 1982. It has a rotational frequency of 641 rotations per second and high magnetic field strength. Pulsars are highly magnetized and rapidly rotating neutron stars. Due to the high accuracy of their rotation, pulsars can be used for gravitational wave and timing experiments. Our study involves high time resolution data from Sardinia Radio Telescope (in Italy). We are utilizing the radio data of the pulsar's emission properties at average and individual pulse level. The key focus of our study is to examine the characteristics of radio giant pulses, very bright individual pulses that occur not periodically, from pulsar B1937+21 and search for a correlation with the pulsar’s x-ray emission observed with the Neutron Star Interior Composition Explorer (NICER). |
| Physics and Astronomy | 10-10:50 AM, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **AN upper limit to the mass of a Cepheid pulsation model that can be computed with MESA-RSP**  Author(s): Kalici, Selim; Randall, Hugh Mentor(s): Kanbur, Shashi | We present the results of a project that empirically estimated the maximum Luminosity/Mass ratio for simulated variable stars using MESA-RSP. We computed Cepheid models at a fixed mass of 15M⊙ (solar masses), and composition with X = 0.74 (Hydrogen %), and Z = 0.004 (heavy metal %) while ranging the luminosity from 10000L⊙ (solar luminosity ) to 75000L⊙. We found that the maximum luminosity of these stars which we can reliably model scales linearly with the mass. |
| Physics and Astronomy | 11-noon, Shineman 172 Zoom: <https://oswego-edu.zoom.us/j/97518691992> | **Modelling Ultra-Long Period RR Lyrea Variables**  Author(s): Randall, Hugh; Kalici, Selim Mentor(s): Kanbur, Shashi | We model ultra long period RR Lyrae variable stars using stellar parameters similar to stars in the globular cluster NGC 6441. We perform a multi-wavelength analysis of observed and theoretical light curves to see how the star's internal composition affects their pulsational properties. |
| Professional Development Schools, School of Education | 4-4:50 PM, MCC 211 | **What is PDS?**  Author(s): Lipke, Dr. Tamara, Director of PDS Mentor(s): Lipke, Tamara, Dr. PDS Director | This session provides an overview of SUNY Oswego's PDS partnerships and its alignment to the National Association of School and University Partnerships (NASUP). It will explain what PDS is and the constellation of connections and activities that constitute our existing partnerships with school districts in Oswego County and beyond. |
| Professional Development Schools, School of Education | 4-4:50 PM, MCC 211 | **The PDS Maze: Building a Partnership**  Author(s): Cuccaro, Carlo, PDS Liaison | This session delves into the complexities and rewards of partnership building, marked by progress, pauses, and changes. Presenters emphasize the critical role of patience and collaboration in navigating obstacles, highlighting how sustained commitment and a clearly articulated vision can gradually build a resilient and responsive collaborative relationship. |
| Professional Development Schools, School of Education | 4-4:50 PM, MCC 211 | **Collaborative Communities: Preparing Teachers of Tomorrow**  Author(s): Gujarati, Joan, Dr. PDS Liaison; Griffin, Stephanie, Principal; Moxley, Kelly, Teacher; McManus, Michelle Teacher; Cahill, Jennifer Teacher; Clarke, Breanna, Student Teacher; Raymond, Monet, Student Teacher; Reber, Chloe, Student Teacher | This presentation showcases the collaborative work SUNY Oswego and the Oswego City School District have engaged in this year. From the perspectives of faculty, principals, mentor teachers, and teacher candidates, presenters highlight the mathematics discourse professional development series, mentors as guest presenters in university courses, and community circles. |
| Professional Development Schools, School of Education | 4-4:50 PM, MCC 211 | **One District's Multi-Tiered System of Support Journey**  Author(s): Finnerty, Sean Dr., PDS Liaison ; Dunn, Stephen, Principal  Mentor(s): Cuccaro, Carlo, PDS Liaison; Root, Colleen, Assistant Superintendent | In this presentation, the presenters explore the transformative journey of a Mexico Central School District as we enhance their Multi-Tiered System of Support (MTSS). Through collaborative efforts, the university- school partnership has started the journey to restructure and refine MTSS frameworks, integrating data-driven decision-making and evidence-based practices to foster a more robust, inclusive, and effective support system. |
| Professional Development Schools, School of Education | 4-4:50 PM, MCC 211 | **Mentoring Pre-Service Teachers to Focus on Student Learning Outcomes**  Author(s): Mazzye, Doreen, Dr., PDS Coordinator; Hendrickson,Jeff, Principal; Mathes, Marie ,Teacher; Briggs, Michelle ,Teacher; Gratch, Shannon, Teacher; Swayze, Samantha Teacher | This session provides reflections on the process of mentoring pre-service teachers to focus their instructional efforts on student learning outcomes in a multi-tiered system of support. This year the Fulton PDS group did an in-depth study of the mentoring processes using the framework of "Mentoring Preservice Teachers Through Practice: A Framework for Coaching with CARE" (Wetzel, M.M., Hoffman, J.V., & Maloch, B., 2017). This study group allowed mentor teachers to learn strategies, approaches, and language to use when supporting pre-service teachers through a deeper dive into the CARE model, guided modeling and practice, feedback, and self evaluation. |
| Professional Development Schools, School of Education | 5-6 PM, MCC 211 | **Refining our Practice: UFLI Foundations Year Two of Implementation**  Author(s): Mazzye, Doreen , Dr., PDS Coordinator; Reese, Valerie, Literacy Coach; Acevedo, Rebecca , Teacher/SUNY Oswego Alumni; Etienne, Anne, Teacher/ SUNY Oswego Alumni | In this presentation teachers from Syracuse City School District at Van Duyn Elementary describe their reading intervention practices using UFLI Foundations as well as showcase student learning gains. Teachers share how they implemented a data collection and analysis process to ensure student growth and appropriate grouping based on skill needs. The presenters describe the focus on program implementation fidelity using inter-rater reliability for observations. |
| Professional Development Schools, School of Education | 5-6 PM, MCC 211 | **Project Lead The Way Implementation: Year 2**  Author(s): Dykeman, Karin, PDS Liaison | This presentation describes how the Phoenix Central School District is advancing its commitment to Project Lead the Way (PLTW) at both the middle and high school levels. PLTW is a national organization that motivates, prepares, and supports teachers as they strive to make every child in every grade STEM-successful. Through this PDS effort, new, student-friendly middle level materials have been developed. High school courses are being enriched and connected more deeply to New York State Learning Standards. These developments demonstrate the second year of advancing this effort. |
| Psychology | 3-3:50 PM, MCC 132 (auditorium) | **The Effects of Street Design on Driver Speeds in Oswego, NY**  Author(s): Casley, Megan Mentor(s): Stewart, Paul | Relationships between motorist speeding in neighborhoods and street design was examined using Risk Homeostasis Theory. In N=200 drivers, we examined the impact of street trees and housing setbacks on speeding. Neighborhood street trees were associated with a significant reduction in motorist speeding. Implications for street design is discussed. |
| Psychology | 3-3:50 PM, MCC 132 (auditorium) | **The Role of Gender and Individual Differences in Friendship Quality**  Author(s): Oakes, Laura Mentor(s): Ruckel, Lindsay | Rejection sensitivity and attachment orientations have been studied as predictors of romantic relationship quality. However, little is known about how rejection sensitivity and attachment orientations may predict friendship quality. The present research aimed to examine the degree to which rejection sensitivity, attachment orientations, and gender, predict friendship quality in a college student sample. |
| School of Business | 11-noon, MCC 225 Zoom: <https://oswego-edu.zoom.us/j/93170419802> | **Associations Among Career-related Student Employment, Current Job Satisfaction, and Anticipated Job Satisfaction**  Author(s): Calkins, Austin Mentor(s): Friedman, Barry; Sotak, Kristin | This study explores the association between university students' degree of career relatedness in their employment and their current and anticipated job satisfaction (AJS) upon graduation. The results revealed a noteworthy relationship between career-related jobs and AJS, and a significant link between career-relatedness and overall current job satisfaction. |
| School of Business | 11-noon, MCC 225 Zoom: <https://oswego-edu.zoom.us/j/93170419802> | **Gender Differences in Sports Illustrated Covers from 1950 – 2020**  Author(s): Agosti, Maya Mentor(s): Tajvarpour, Mohammad | The idea I have is to analyze the quantity of women covers and men covers on Sports Illustrated and see if there is a significant difference throughout the years. |
| School of Education Teacher Opportunity Corps II | 45608, Marano 142 | **Representation Matters in the 21st-century classroom, and, more importantly, Culturally Responsive Education matters today, too!**  Author(s): Frey, Emily; Lanterman,Timere; Shojaian, Meenal; McHale-Carter, Lila; Ramirez, Brian; Argueta, Ellen Mentor(s): Brown, Dr. Nichole | How do we prepare pre-service teachers to enter urban communities if they are not culturally mindful? How do we change the narrative, remove the single story, and ensure cultural competence among educators in P-12 schools so that all students reach their full potential? TOC II scholars will share their perspectives on why representation matters and what it means to be a culturally responsive educator. |
| Theatre | 3-3:50 pm, Tyler, Waterman Theater | **Backstage Pass to The Addams Family and Waterman Theater**  Author(s): Attuil, Melanie; Bangs, Hannah; Guzman, Chrissy; Kozerski, Alex; Larrabee, Kat; Lioto, Anna; Martin, Kimberly; McGreevy, Kat; Mousaw, Emersynn; Murphy, Olivia; Stevenson, Bianca; Uline, Tess; Webber, Camryn Mentor(s): Kennel, Krystal | The Departments of Theatre and Music are presenting The Addams Family musical this week in Tyler Hall. Have you ever wondered what went in to putting on a performance in the Waterman Theatre? It's a lot! Come see where the craft of theatre happens. Experience this backstage tour guided by well-informed Music & Theatre students. Not only will you have a chance to stand on the Waterman Stage, but you will also see our support spaces that have been instrumental in creating the creepy and kooky world of The Addams Family |
| Theatre | 4-4:50 PM, Tyler 46/Lab Theater | **Senior Performance Showcase**  Author(s): Guzman, Chrisaury; Dubuisson, Nijel; Palmer, Ariana Mentor(s): Mazzoccone, Steven; | As a senior Theatre major and actor, I will present a collection of monologues and scenes that display my range and talent. Monologue selections will include Bottom from A Midsummer Night's Dream, Undine from Fabulation, and Cynthia from Sweat. Scenes from Julius Caesar and Much Ado About Nothing will also be performed with Nijel Dubuisson and Ariana Palmer |
| Theatre | 9-9:50 AM, Penfield, Archives and Special Collections Room 8 | **"Theatre Through the Years: Blackfriars, Summer, and Children's Theatre at SUNY Oswego" Exhibit Open Hours and Q&A**  Author(s): Murphy, Olivia Mentor(s): Vickery, Zachary | The Archives and Special Collections have created an exhibit with both physical and digital components to showcase SUNY Oswego’s long history of theatre. The exhibit is titled "Theatre Through the Years: Blackfriars, Summer, and Children's Theatre at SUNY Oswego." During this event, the Archives and Special Collections will be open for viewing of the exhibit and the exhibit creator will be there to answer questions. |
| Writing Across the Curriculum | 3-3:50, Penfield's Library, Speaker's Corner | **Writing Across the Curriculum** |  |