CELEBRATION OF SCHOLARSHIP
THURSDAY APRIL 19, 2012
April 19, 2012

To the Lewis University Community:

Welcome to the first Celebration of Scholarship: A Showcase of Research, Scholarship, and Creative Works here at Lewis University. This is an academic initiative that is meant to become an annual event to recognize scholarly pursuits by faculty, graduate students and undergraduate students. It is fitting that this program is being launched during our 80th anniversary year, as we reflect on the steady progress and exceptional dedication that has been demonstrated throughout our history. From our humble beginnings, we continue to progress in creating an intellectually exciting atmosphere for teaching and learning, thanks to highly capable faculty and well-motivated students, who readily embrace this “new moment” for research, scholarship and creative works. It is particularly timely that this Celebration of Scholarship occurs soon after the dedication of the splendid new Science Center.

Today you will have the opportunity to view 130 poster presentations, papers and creative works involving 230 student participants and 52 faculty mentors, along with presentations by Lewis University Faculty Scholars and others whose works were selected through a faculty peer review process. Our much-respected keynote speaker is Dr. Eric Isaacs, Director of Argonne National Laboratories, who received an honorary degree at Lewis in 2009 for his outstanding accomplishments as a distinguished physicist, educator and national leader in scientific research. Enthusiastic gratitude to all who have cooperated in facilitating the start of this annual Celebration of Scholarship.

Moreover, much appreciation to Dr. Isaacs, as well as to the faculty and students who will be presenting and participating in today’s events. This plethora of exceptional work undoubtedly will stimulate many insights and lead to continuing achievements in exploring and developing better ways to understand our world through such collaborative projects.

Sincerely,

Brother James Gaffney, FSC
President
April 19, 2012

Dear Colleagues:

The idea of a University-wide celebration of scholarship has been discussed for many years. The leadership and dedicated efforts of many individuals and groups across the University have made this dream a reality. Thank you to all who have planned so well for this Celebration of Scholarship and congratulations to the many students, faculty and staff participants whose work is being showcased today.

This event reflects well the strong commitment by faculty to promote student learning and mentorship and to pursue excellence in teaching, scholarship, and research. Founders Week is a most fitting time for the inaugural Celebration of Scholarship in that it so well reflects our Mission focus on student learning and academic excellence.

Faculty have long recognized the importance of sharing their scholarship and research with their students and in encouraging them to participate in these projects. These collaborative initiatives present new and creative ways of helping students learn. Student engagement in scholarly work during their undergraduate and graduate studies is increasingly acknowledged among high impact learning initiatives. Projects like these open doors for our students to exciting careers, graduate school opportunities and endless new possibilities.

Thank you to all for the spirit of Association that characterized the many months of preparation. Your excitement and enthusiasm was contagious as ideas were shared between disciplines and across campus. We are all grateful for your collaboration, creativity and intense dedication to learning. Congratulations on your efforts on behalf of the institution and all of our students.

Sincerely,

Dr. Stephany Schlachter
Provost
# SCHEDULE

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<th>SESSION</th>
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<td>Plenary Session</td>
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<td>Concurrent Paper Presentations (Session I)</td>
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<td>Concurrent Paper Presentations (Session IV)</td>
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<td>Meet Authors (Session I)</td>
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<td>Meet Authors (Session II)</td>
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<td>Creative Works Sessions</td>
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<td>President’s Reception</td>
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Eric D. Isaacs, a prominent University of Chicago physicist, is President of UChicago Argonne, LLC, and Director of Argonne National Laboratory.

Before becoming Argonne Director, Isaacs served as Argonne’s deputy laboratory director for programs, with responsibility for leading the laboratory’s strategic planning process and overseeing the laboratory directed research and development program as well as its educational programs. Earlier he distinguished himself both as director of the Center for Nanoscale Materials at Argonne and as professor of physics in the University of Chicago’s James Franck Institute. During his 13-year tenure at Bell Laboratories, he was a member of the technical staff, director of the Materials Physics Research Department and director of the Semiconductor Physics Department.

He received a Ph.D. from the Massachusetts Institute of Technology in 1988 in the area of magnetic semiconductors and was a postdoctoral fellow at Bell Laboratories (1988-1990) studying magnetism and correlated electronic systems, mostly with synchrotron-based X-ray techniques. He is a fellow of the American Physical Society and served on a number of national scientific advisory committees, including the Basic Energy Sciences Advisory Committee. He is author or co-author of more than 140 scientific papers and presentations.

Dr. Isaacs received an honorary doctorate from Lewis University in December 2009.
CONCURRENT SESSIONS

SESSION I: 2-3 p.m.

Room 202

MODERATOR
Dr. Tom Bristow

Acupuncture for Headache Prophylaxis
Erin Blazina

Cerebral Edema Due to Treatment Complications of Diabetic Ketoacidosis in Pediatrics
Sarah Esparaza

Migraine Prophylactic Through Use of Magnesium and Riboflavin
Mario Vivona

Room 203

MODERATOR
Mr. Richard Clish

Women in Early American Literature
Katie Esposito

The Effectiveness of Christian Rhetoric in Uncle Tom's Cabin
Kelly Schreiber

Walden: Concerning the Rugged Individual and the Modern Reader
Peter Jokubauskas

Room 209

MODERATOR
Dr. Christy Roberts

Determining Lead Cleansing Patterns and Lead Memory in Aircraft Engine Emissions While Converting to an Unleaded Aviation Gasoline
Jordan Raess, Julius Keller, and Alessandro Mazza

Affective Research in Mobile Development
Michael Korby

The Continuum Hypothesis: An Undecidable Proposition?
Jessica Dreher

Room 230

MODERATOR
Dr. Jung Kim

Disaster Preparedness
Alyssa Krakar, Gina Valentino, Melanie Zaragoza, Kristina Zajeski, and Jordan Stefanski

Student's Risk Aversion Factors by Major
Christopher White
Service Learning as a Tool for Nursing Education
Nicole Serdena, Brittany Conrad, Wendy Mazariegos, Caitlin Murach, Kaleigh Nolan, and Brittany Russo

Room 231
MODERATOR
Mrs. Sue Forbes
Blood Vessel Repair with the Use of Vascular Endothelial Growth Factors and Angiogenesis
Kris Nadarajah
DHEA Supplementation
Aleksander Pecherek
Review of Fluoride Exposure on Tooth Development
Elizabeth Figus

Room 232
MODERATOR
Mrs. Jennifer Buss
Effect of Surfactant Concentration on the Size and Fluorescence Quantum Yield of CdS and PbS Quantum Dots
Russell Johnson
The Theremin: Exploring the Physics of an Electronic Musical Instrument
Matt Macaluso

Measuring the Transverse Trapping Field Strength of Optical Tweezers
Elizabeth De Waard and Marek Ziebinski

Room 233
MODERATOR
Dr. Frank Rose
Who Do We Say We Are? Catholic Feminist Theology and Critical Methodologies
Dr. Karen Trimble-Alliaume (Lewis University Faculty Scholar)
The Cyclical Nature of Human Rights
Lauren Messenger
Inner Force: The Relationship Between Human Nature and Conflict
Sean Lenckus

Room 251
MODERATOR
Dr. Janice Smith
Social Networking and Reported Smoking and Drinking
Mary Gaeke
“The Others”: A Film Essay
Christine Sellin

SCHEDULE
SESSION II: 3-4 p.m.

Room 202

MODERATOR
Dr. Sue O’Brien

A Study of Factors Contributing to BMO’s Prominence in the Derivatives and Capital Markets
Nick Ernst

The Effects of a Mega-dump on an Illinois Community – an In-Progress Report
Dr. George G. Klemic, Jonathan Hicks; Robert McGowan, Benjamin Potter, and Jennifer Prokop

Freedmen to Farm Owners: Tracing Emancipated People’s Varied Pathways to Land Ownership
John B. Dembowski

Room 203

MODERATOR
Ms. Nanci Peek

Rapid Expansion of Invasive Phragmites Australis Disrupts Native Ecosystems
Danielle Mount

Encapsulation of Insulin in Polymeric Nanoparticles for Oral Administration: A Novel Approach to Treating Diabetes Mellitus
Ashley Dempsey

The Safety and Efficacy of Oncolytic Viral Therapy, with Herpes Simplex Type-1 (HSV-1) mutant G207, for Treatment of Glioblastoma Multiforme (GBM)
Lauren Seliga

Room 209

MODERATOR
Dr. Peggy Rice

Finding Immigration Reform Through A Faith-Based Perspective
Angela Cotta

Celebrating the Eucharist in Medieval Drama
Dr. Dawn Walts and Fr. Dan Torson

Comparison of Pedagogical Effectiveness of Using Web 1.0 and Web 2.0 Technologies for Learning Diversity Skills in Global Learning Communities
Dr. Seung Kim (Lewis University Faculty Scholar)
Room 230
MODERATOR
Dr. Jackie White

Lasallian Heritage and Active Learning: Rethinking Classroom Performance
Roberto Gamarra

Bill Gates’ Global Leadership
Eduardo Ramirez

International Expansion of Tata Steel
Victoria Strid, Emily Keene, Faris Ziadat, and Saif Ziadat

Room 231
MODERATOR
Dr. Cindy Kersey

Endoplasmic Reticulum Stress: The Unfolded Protein Response and Diabetes
Ryan Wible

Effects of Prod 1 in Limb Regeneration in Urodele Amphibians
Lauren Wojtaszek

The Use of Human Chorionic Gonadotropin (hCG) in Breast Cancer Prevention
Brittany A. Stasukewicz

Room 232
MODERATOR
Dr. Randy DeMik

Exon Skipping in Duchenne Muscular Dystrophy
Martyrna Kulawiuk

Acute Intermittent Porphyria
Justin Wernig

Transplantation of Pancreatic Islet Cells as a Possible Treatment for Type 1 Diabetes Mellitus
Katie Crawford

Room 233
MODERATOR
Dr. Greg Manning

Pneumonia: What You Need to Know
Kaylyn Dever and Leah Roman

Cold vs. Flu
Emily Hosbach, Alicia Harnois, and Nicole Peckels

Finding Normative Data for Serial 3 and Serial 7 Tests
Artrina Slabich
Room 251

MODERATOR
Dr. Deborah Augsburger

Late Effects of Acute Lymphocytic Leukemia
Donna Marinier

Genetic Engineering of *E. coli* and its Use in Treating Infections
Wala Abu

Synthesis and Characterization of Nanocomposites for Next Generation Alternative Energy Applications
Dr. Jason Keleher (Lewis University Caterpillar Scholar)

The Impact of International Business on a Firm's Performance
Enas F. Mohamed

Room 203

MODERATOR
Ms. Melanie Obispo

Security Fallacies in Social Media
Kevin Swartz

Portrait of Relationship Dysfunction: The Impact of Technology on Domestic Abuse
Dr. Lynn A. Tovar and Dr. Tracey Nicholls (Lewis University Faculty Scholar)

The Ethical Dimensions of Regulatory Capture
Dr. Elizabeth Hoppe (Lewis University Faculty Scholar)

Room 202

MODERATOR
Ms. Sandra Razka

An Analysis of China's Methodology for Computing Gross Domestic Product (GDP)
Shan Wen

A Critical Analysis of IMF and World Bank Initiatives in Developing Countries
Hakeem Muhammad

Room 209

MODERATOR
Dr. Barbara Mackey

The Genealogy of Education in Chicago Polonia
Michael J. Dziallo

An Examination of Zero Tolerance Policies in K-12 Schools
Hiedi Santucci, Patricia Richert, and Kelly Rank
Who is Occupying the Classroom and the Post Racial Society Rhetoric: A Critical Narrative Uncovering Racism and Color Blindness in a School Wide Diversity Program

Ivan Antonio Soto

Room 230

MODERATOR
Ms. Erica Kwiatkowski-Egizio

Immigrant Rights in Education

McKenna Lulic

Encouraging the Need for a Variety of Reading Materials in the Middle School Classroom

Mary E. Gelezauskas

Supporting Secondary Science Teachers with Reading Comprehension Strategies

Kimberly Guidinger

SESSION IV: 5:30-6:30 p.m.

Room 231

MODERATOR
Ms. Stephanie Miazga

Development of a Train-the-Trainer Program for Nurses Providing End-of-Life Planning

Audrey Wirth, Leigh Anne Piper, and Kathy Rombach

Enhancing Professionalism in Nursing Through Certification

Jennifer M. Grenier, Jennifer Bak, Sherry Lombardo, and Victoria S. Carroll

Consulting a Large Community Hospital in Achieving Disease Specific Care Certification by the Joint Commission

Debora Painter, Mary Antongiorgi, Robin Johnson, Amy McElvain, and Judy Bonomi

Room 232

MODERATOR
Mr. Robert Bergman

Simulation in Nursing Education: Bridging Theory to Practice

Holly Losurdo, Dalean Seitz-Rumble, Debbie Waggoner, and Audrey Zaleski

Establishing a Continuity of Care Model for Persons with Chronic Conditions: Diabetes Type 2; Venous and Diabetic Ulcers

Catherine Jackson

Anticipatory Grief and Terminal Cancer: Concept Confusion?

Mary S. Parks
Room 233

MODERATOR
Dr. Ibrahim Mescioglu

Peace Through Commerce – Analysis of the Positive Social Impact of Selected Multinational Enterprises in Mexico
Jennifer Casas

The Affects of Neoliberalism on Our Society’s Education
Jessica Ruiz

A Challenge to Current Notions of Teaching and Learning
Danielle Ligocki

Room 251

MODERATOR
Dr. Christopher Palmi

Muslim Female Youths’ Identity Negotiation
Eileen McCaffrey

Body Image and College Women
James D. France

The Portrayal of the American Family in Television Situation Comedies
Michael Dziallo, James D. France, Brenda Lee, and Eileen McCaffrey

POSTERS

SESSION I: 3:30-4:30 p.m.

“A Midsummer Night’s Dream”
Christine Sellin

Automating Market Analysis to Maximize Profit and Minimize Risk
Brian Wilhelm

Biofilm Development: Many Characters, Different Plots
Erin Blazina, Alexsander Pecherek, Elizabeth Figus, Christian Yasmine, and Elizabeth Floren

Combating Bullying Through a Youth Mentoring Program
Areli Delgado, Toneika Wallace, Lauren Szot

Curriculum Based Measurements
Heather Hagberg and Jennifer Sitar

Demographic Information Associated With Stress and Anxiety Among College Students
Jamie Gunn

Depictions of Black Women Via Reality Television
Toneika Wallace
Evaluation of the Catalytic Decomposition of H₂O₂ Through use of Organo-metallic Complexes - A Potential Link to the Luminol Presumptive Blood Test
Olivia Chesniak, Thomas Soderquist, Matthew Witt, Alan Paramo, and Victoria Keeling

Evolution of Vampires
Martina Barnat

FIRST PICC: PICC Lines vs. CVCS to Reduce Insertion Complications
Keali Driscoll, Katherine Gawlik, and Kathleen Posa

“Henry IV, Part 1”
Michelle Vucsko

Identifying the Structure and Formation Process of *Escherichia coli* Biofilms Using Attenuated Total Reflectance Spectroscopy and Electrochemical Quartz Crystal Nanobalance Measurements
Katherine Hargrove and Thomas Campbell

Improving Quality of Care in Patients with CHF
Jea Ramiro, Samantha Hill, Amanda Zabierek, Shay Valen, Rebecca Burkhart, Katelyn Melvin, Colleen Duggan, and Abigail Stec

Jim Jones: Narcissistic Personality Patterns in Mass Murder
Jennifer Merzlock

“Othello” in Facebook
Katie Esposito

Public Relations Portfolio
Mary Carroll

Spiritual Leadership: The Art of Facilitating Advanced Care Planning
Dr. Kathleen Blanchfield and Dr. Jan Smith

Studying the Solid-Liquid Interface Relevant to CMP
Jordan Kaiser and Kelly Tillman

The Internationalization Strategy of Baosteel
Christopher White and Christina Hitchcock

The Moor Times
Erick Passarelli

The Relationship Between Happiness and Sexual Orientation
Frances Swint
SESSION II: 4:30-5:30 p.m.

A Concept Analysis of Hope
Marie T Penn

Activation Energy of Passivating Film Formation on a Static Copper Surface Using Model CMP Solutions with Differing Concentrations of Copper Ion
Russell Johnson and Brad Watson

Algorithm for Advanced Directives
Olivia Lemberger and Dr. Stacie Elder

Antimicrobial Efficiency of Photochemical Prepared Ag-TiO$_2$ Nanoparticles
Thomas Campbell, Alessandro Mazza, Tyler Mccue, and Deirdre S McCormick

Art for Peace: A Collaborative Class Contribution to the Global Art Project
Dr. Tracey Nicholls

Breaking the Barrier: Easing Transition into Working with Communities
Dr. Stacie Elder, Dr. Christie Billups, Rachel Burke, Beca Flanagan, and Dr. Jion Liou Yen

Effects of an Orientation Program on Volunteer Satisfaction and Retention
Holly Calvillo

Incorporating Caring Theory into Personal and Professional Nursing Practice to Improve Perception of Care
Mary E. Desmond, Dr. Linda Ryan, Kathryn Keith, Susan Kelby, and Suzen Horn

Increasing On-the-Job-Trainings under Workforce Development
Troy Morehouse

CAUTI Protocol in an Acute Hospital Setting
Pinkey Patel

Child Abuse, Elder Abuse, and Intimate Partner Violence Online Continuing Education Program
Susan Gregory, Denise Matyas, and Annette Slotwinski

Combating Childhood Obesity with Physical Activity Programs in Schools
Valerie Fleishman

Concussions and Helmet Safety
Harry Chan, Darin Lefever, and Typhannie Banks

Diabetes Management in Schools
Libby Black

Causes and Results of the Global Financial Crisis
Huyen Le
Quality Improvement: Is a Foley Catheter the Right Answer?
Jaimie Castonguay, Jennifer Rachan, Amanda Young, Ashley O’Connor, Caitlin Schlomas, Colette Maida, Mallory Finn, and Kathryn Hague

Role of Fingerprint Powder Particle Size on Latent Print Quality
Cassandra Myers

Simulations of Neutron Interactions with Various Materials for Particle Detector Shielding
Elizabeth De Waard

Student Centered Learning Through Integration
Lark Welch

Synthesis of Flexible Anodic Nanomaterials for Bio-inspired Solar Energy Production
Olivia Chesniak, Matthew Witt, John Ephraim, and Jarmel Doss

The Response of Greek Citizens to Greece’s Financial Crisis
Jennifer Fregeau

International Expansion of Nippon Steel
Jody Wagner and Victoria Jorden

Black Consciousness and the Black Panther Party
Latricia Cleveland

EXHIBITS

SESSION I: 3-4 p.m.
Room 250

Subway Station
Connor McLennan

Three Sheets to the Wind
Connor McLennan

Autobiography
Jillian Carlberg

i’s
Nicole Nellen

Lewis Parish Nursing Banner
Susan P. Stepek
PERFORMANCES

SESSION I: 2-3 p.m.

Room 250

“Dear Shakespeare” and “Dear Jersey Shore”
Katie Esposito and Timothy Fitzpatrick

Eggs
Deirdre S McCormick

“Lightmonger”
Mark S. Jacobs

“Roots: A Foundation of Identity”
Candelaria Sanchez

“The Truth”
Mark S. Jacobs

The World of Fruitcake
Timothy Fitzpatrick

SESSION II: 3-4 p.m.

Room 250

Beowulf
Peter Jokubauskas, Kelly Schreiber, Megan Schlegel, and Christine Sellin

“Nickel and Dimed” and “Rose and the Rime” Set Designs
Melissa Chicola

Stage Properties Designed and Constructed for “Seussical,” “Dr. Jekyll and Mr. Hyde,” and “Rose and the Rime”
Melanie Gillies

Shakespeare Poster Boards
Katie Esposito, Erick Passarelli, Christine Sellin, and Michelle Vuckso
CONCURRENT SESSIONS

The Impact of International Business on a Firm’s Performance

Graduate student project in Business
PRESENTER Enas Mohamed
FACULTY MENTOR Dr. Frank Rose

This research investigates the role that international business can play to improve a company’s performance and its position in the market.

Student’s Risk Aversion Factors by Major

Undergraduate student project in Business
PRESENTER Christopher White
FACULTY MENTOR Dr. YunTaek Pae

When it comes to investing, risk is the greatest threat to an individual’s portfolio. Depending on a person’s risk tolerance, investors are classified into different types of classes, ranging from aggressive to conservative. Our study aims to investigate which majors, within the College of Business, are the most risk averse in order to predict the likely investment choices they will make in the future.
Peace through Commerce - Analysis of the Positive Social Impact of Selected Multinational Enterprises in Mexico

Graduate student project in Business

PRESENTER    Jennifer Casas
FACULTY MENTOR     Dr. Frank Rose

Foreign direct investment in Mexico by multinational enterprises has helped foster the conditions for peace in that country. The study develops two case studies to illustrate this.

An Analysis of China’s Methodology for Computing Gross Domestic Product (GDP)

Graduate student project in Business

PRESENTER    Shan Wen
FACULTY MENTOR     Dr. Frank Rose

This study analyzes China’s methodology for computing gross domestic product, and compares and contrasts the Chinese method with the U.S. method. The results will help observers of the Chinese economy better understand patterns of economic growth in the country.
International Expansion of Tata Steel

*Undergraduate student project in Business*

**PRESENTERS**
Victoria Strid, Emily Keene, Faris Ziadat and Saif Ziadat

**FACULTY MENTOR**
Dr. Roberto Gamarra

The main goal of this paper is an analysis of the international expansion strategies of Tata Steel Group, with focus on the European operations and the company's technology developments to serve steel users in the automobile industry.

Bill Gates’ Global Leadership

*Undergraduate student project in Business*

**PRESENTER**
Eduardo Ramirez

**FACULTY MENTOR**
Dr. Roberto Gamarra

In this study a behavioral approach to leadership developed to explore Bill Gates’ global business leadership. This paper offers a new point of view on global business leadership.

The Effects of a Mega-dump on an Illinois Community – an In-Progress Report

*Faculty project in Business*

**PRESENTERS**
Jonathan Hicks, Robert McGowan, Benjamin Potter and Jennifer Prokop

**FACULTY MENTOR**
Dr. George Klemic

The study identifies appropriate variables, gathers baseline data for the location of the phenomenon and for benchmark locations.
Security Fallacies in Social Media

*Graduate student project in Business*

**PRESENTER**  
Kevin Swartz

**FACULTY MENTOR**  
Dr. Faisal Abdullah

This study determines the fallibility of security in social media, specifically Facebook, how data that may be freely available can be used against a target, and best practices to help prevent against these flaws.

A Critical Analysis of IMF and World Bank Initiatives in Developing Countries

*Graduate student project in Business*

**PRESENTER**  
Hakeem Muhammad

**FACULTY MENTOR**  
Dr. Frank Rose

The study critically evaluates the work of the International Monetary Fund and the World Bank in several Latin American countries. The results show that there are often negative impacts on the economies of the countries receiving assistance from the two institutions.

A Study of Factors Contributing to BMO’s Prominence in the Derivatives and Capital Markets

*Undergraduate student project in Business*

**PRESENTER**  
Nick Ernst

**FACULTY MENTOR**  
Dr. Frank Rose

This research analyzes the financial tools and services offered by the Bank of Montreal to client investors in the derivatives markets. It explores how the bank’s expertise, offerings, and advice in these product areas have contributed to its growth to prominence in the capital markets.
Immigrant Rights in Education

*Graduate student project in Education*

**PRESENTER**  McKenna Lulic  
**FACULTY MENTOR**  Dr. Barbara Mackey


Muslim Female Youths’ Identity Negotiation

*Graduate student project in Education*

**PRESENTER**  Eileen McCaffrey  
**FACULTY MENTOR**  Dr. Brad Porfilio

This study examines Muslim female youth and the relationship between their negotiation of multiple identities in the public school system and their life's opportunities.

The Genealogy of Education in Chicago Polonia

*Graduate student project in Education*

**PRESENTER**  Michael J. Dziallo  
**FACULTY MENTOR**  Dr. Brad Porfilio

The maintenance of native language and culture is a much more complex area of study than is treated in the usual discourse of immigrants, American education, assimilation, and acculturation. This study focuses on the structures of modernity through the actions of a prominent leader of Chicago Polonia and documents the areas of production and reproduction through the lens of the duality of structure.
Zero Tolerance Policies

*Graduate student project in Education*

**PRESENTERS**  
Kristi Kelly, Hiedi Santucci,  
Patricia Richert and Kelly Rank  

**FACULTY MENTOR**  
Dr. Brad Porfilio

This study is an examination of Zero Tolerance Policies in K-12 schools.

The Portrayal of the American Family in Television Situation Comedies

*Graduate student project in Education*

**PRESENTERS**  
Michael Dziallo, James “Doug” France,  
Brenda Lee and Eileen McCaffrey  

**FACULTY MENTOR**  
Dr. Brad Porfilio

A review of the portrayal of the family throughout the history of the American television situation comedy reveals reinforcing hegemonic themes for American society.

A Challenge to Current Notions of Teaching and Learning

*Graduate student project in Education*

**PRESENTER**  
Danielle Ligocki  

**FACULTY MENTOR**  
Dr. Kip Kline

This paper explores the ideas of popular educators and authors that challenge the current notions of both teaching and learning. It takes a glimpse into the difficulties facing students and the ways in which schooling as we know it is not meeting their needs.
Lasallian Heritage and Active Learning: Rethinking Classroom Performance

Faculty project in Education

PRESENTER: Dr. Roberto Gamarra

Conventional notions of classroom performance highlight the role of instructors’ teaching. We propose a new framework to build a better understanding of classroom performance based on the integration of Lasallian insights and integrative and cooperative learning.

Supporting Secondary Science Teachers with Reading Comprehension Strategies

Graduate student project in Education

PRESENTER: Kimberly Guidinger

FACULTY MENTOR: Dr. Joyce Hayward

This session describes the theoretical and research implications in creating effective literacy professional development to support high school science teachers as they assist students in the process of reading and comprehending complex content materials and experiments in the classroom.
Encouraging the Need for a Variety of Reading Materials in the Middle School Classroom

*Graduate student project in Education*

**PRESENTER**  
Mary Gelezauskas

**FACULTY MENTOR**  
Dr. Joyce Hayward

The International Reading Association recommends educators use a variety of reading materials in providing targeted instruction for all students. This recommendation is based on educational research and theory. This session explores the work of a reading specialist in using research and theory to create professional development that encourages the use of picture books to promote greater understanding of topics in the middle school classroom.

The Effects of Neoliberalism on our Society’s Education

*Graduate student project in Education*

**PRESENTER**  
Jessica Ruiz

**FACULTY MENTOR**  
Dr. Kip Kline

Written for the course, Theories of Transformative Leadership, taught by Professor Dr. Lauren Hoffman, this paper is a reflection of the societal issues posing a threat to our schools. The current system is in need of a more democratic, moral approach toward education in efforts to prepare the student as an individual, contributing member of society.
Who is Occupying the Classroom and the Post-Racial Society Rhetoric: A Critical Narrative Uncovering Racism and Color Blindness in a Schoolwide Diversity Program

Graduate student project in Education

PRESENTER Ivan Antonio Soto
FACULTY MENTOR Dr. Bradley Porfilio

The purpose of this presentation is to demystify the idea that we now live in a post-racial society. The argument is based upon the participation in a schoolwide diversity program in a secondary school in the Chicagoland area.

Comparison of Pedagogical Effectiveness of Using Web 1.0 and Web 2.0 Technologies for Learning Diversity Skills in Global Learning Communities

Faculty project in Education

PRESENTER Dr. Seung Kim

The aim of this study is to provide a practical framework for educators who wish to enhance their students’ global learning with Web technologies. A total of 43 pre- and in-service teachers from three different cultural settings participated in online discussions and collaborative projects with the assigned Web application. The presenter will share how Web technologies have been used within global learning environments and discuss some of the potential opportunities and challenges with Web applications.
Portrait of Relationship Dysfunction: The Impact of Technology on Domestic Abuse

Faculty project in Humanities

PRESENTERS
Dr. Lynn A. Tovar and
Dr. Tracey Nicholls

The research offers an examination of digital communication and its availability to control, exert power and alter a partner’s behavior within domestic relationships. This research provides an understanding of the connection between digital communication and domestic relationships among college students and members of the larger community who have sought domestic abuse counseling services.

Social Networking and Reported Smoking and Drinking

Undergraduate student project in Humanities

PRESENTER
Mary Gaeke
FACULTY MENTOR
Dr. Mary Vandendorpe

Forty Myspace profiles were examined to see the relationship of personal variables to drinking and smoking. Age, education, number of comments and relationship status were related to drinking. Neither smoking nor drinking was related to gender.
The Effectiveness of Christian Rhetoric in *Uncle Tom’s Cabin*

*Undergraduate student project in Humanities*

**PRESENTER**  
Kelly Schreiber

**FACULTY MENTOR**  
Dr. Jackie White

Although much scholarship argues that Harriet Beecher Stowe’s use of Christian rhetoric in *Uncle Tom’s Cabin* is not effective in conveying her anti-slavery message, this paper examines key characters and biblical allusions/connections to argue the opposite. Her novel shows that slavery is intrinsically wrong, and also provides hope that a Christian love will transcend it.
Finding Immigration Reform Through a Faith-Based Perspective

Undergraduate student project in Humanities

PRESENTER: Angela Cotta
FACULTY MENTOR: Dr. James Burke

Finding Immigration Reform Through a Faith-Based Perspective serves as a starting point for solving immigration-related issues in a manner that is fair for all people and recognizes the nation's security needs. This paper will ask two questions: first, what is it like to immigrate to the United States since September 11, 2001?; and second, how might Catholic social teaching principles contribute constructively to the public policy debate on immigration reform?

Freedmen to Farm Owners: Tracing Emancipated People’s Varied Pathways to Land Ownership

Undergraduate student project in Humanities

PRESENTER: John Dembowski
FACULTY MENTOR: Dr. Mark Schultz

This essay attempts to track the various pathways to landownership taken by the first two generations of freed people after the conclusion of the Civil War. This story is traditionally told as one of failure, with Freedmen falling into an endless circle of debt and sharecropping, or else leaving the rural areas for the opportunities of the city. By 1910, however, nearly a quarter of all black farmers owned their own land. The story of their climb to success will be explored here.
Women in Early American Literature

Undergraduate student project in Humanities

PRESENDER  Katie Esposito
FACULTY MENTOR  Dr. Jackie White

This essay focuses on two very significant women in Early American Literature, Anne Bradstreet and Mary Rowlandson, who present fascinating narratives that both challenge the norms of their society and stand out against the narratives and poems of a man.

Inner Force: The Relationship Between Human Nature and Conflict

Undergraduate student project in Humanities

PRESENDER  Sean Lenckus
FACULTY MENTOR  Dr. Tracey Nicholls

The relationship between human nature and conflict will be discussed, with special focus on Thomas Hobbes, and an overview of several non-violent resistance movements which contradict this view. Ultimately, the question of: “Is war inherent in our nature?” will be answered.
Celebrating the Eucharist in Medieval Drama

*Faculty project in Humanities*

**PRESENTERS**
Dr. Dawn Walts and
Rev. Dan Torson

The collaborative work, explores the dynamic role of the Eucharist in medieval drama and society. Drawing from collective research in religious studies and close readings of medieval English drama, it is argued that the Eucharist, as a symbol of Christ’s body, is employed dramatically to reflect medieval concerns about the shifting social estates.

Consulting a Large Community Hospital in Achieving Disease-Specific Care Certification by The Joint Commission

*Alumni project in Humanities*

**PRESENTERS**
Debora Painter, Mary Antongiorgi, Robin Johnson, Amy McElvain and Judy Bonomi

**FACULTY MENTOR**
Dr. Jan Smith

As a team serving as consultants for a large community hospital, this project worked to achieve Disease-Specific Care Certification in Diabetes by The Joint Commission.
Who Do We Say We Are? Catholic Feminist Theology and Critical Methodologies

*Faculty project in Humanities*

**PRESENTER**  
Dr. Karen Trimble Alliaume

Jesus’ famous question to his disciples—“Who do you say I am?”—invites reflection on how women and other marginalized groups have answered this question in dialogue with Christian tradition. This presentation will introduce one item from a Catholic feminist methodological toolbox, “figuration,” in order to offer a constructive intervention in current cultural conversations about the meaning of Jesus Christ.

“The Others”: A Film Essay

*Undergraduate student project in Humanities*

**PRESENTER**  
Christine Sellin

**FACULTY MENTOR**  
Dr. Simone Muench

This is an essay on Alejandro Amenabar’s film “The Others.” The essay discusses how the director makes a statement about human mortality through the use of mirrors as part of the *mise-en-scène*.

Walden: Concerning the Rugged Individual and the Modern Reader

*Undergraduate student project in Humanities*

**PRESENTER**  
Peter Jokubauskas

**FACULTY MENTOR**  
Dr. Jackie White

As the title suggests, this essay explores the American motif of the rugged individual in Thoreau’s *Walden*, while simultaneously showing how *Walden* and its themes are specifically relevant to modern audiences.
The Ethical Dimensions of Regulatory Capture

*Faculty project in Humanities*

**PRESENTER**  
Dr. Elizabeth Hoppe

The Ethical Dimensions of Regulatory Capture examines the meaning of regulatory capture along with its ethical components. In addressing this topic, the focus is specifically on the Federal Aviation Administration, its proneness to capture, and some of the ways to alleviate the problem, especially through the application of ethical theories.

Determining Lead Cleansing Patterns and Lead Memory in Aircraft Engine Emissions While Converting to an Unleaded Aviation Gasoline

*Alumni project in Math / Science*

**PRESENTERS**  
Jordan Raess, Julius Keller and Alessandro Mazza

**FACULTY MENTOR**  
Dr. Randy DeMik

To reduce lead emissions released by general aviation aircraft engines, Swift Enterprises proposed 100SF as a possible replacement for current 100LL fuel used today. Therefore, this study aimed to illustrate whether a sampling of general aviation aircraft engines had similar lead cleansing characteristics while using 100SF.
Affective Research in Mobile Development

*Undergraduate student project in Math / Science*

**PRESENTER**  Michael Korby  
**FACULTY MENTOR**  Dr. Cindy Kersey

This project is developing an application that will use the multiple sensors that are incorporated into mobile devices to collect data from user interactions with a task that is designed to induce user frustration. The goal is to use the collected data to derive a predictive model of user affective state. The application that was developed will be present along with plans for future research.

Acupuncture for Headache Prophylaxis

*Undergraduate student project in Math / Science*

**PRESENTER**  Erin Blazina  
**FACULTY MENTOR**  Dr. Jennifer Roberts

Compared to sham acupuncture and certain pharmaceutical drugs, verum acupuncture is a viable treatment with the least amount of side effects for headache prophylaxis.

Migraine Prophylactic Through Use of Magnesium and Riboflavin

*Undergraduate student project in Math / Science*

**PRESENTER**  Mario Vivona  
**FACULTY MENTOR**  Dr. Jennifer Roberts

Using magnesium and riboflavin (B2) as an alternative prophylactic to other migraine- specific drugs reduces the negative associated side effects, while still producing the desired results.
Late Effects of Acute Lymphocytic Leukemia

Undergraduate student project in Math / Science

PRESENTER: Donna Marinier
FACULTY MENTOR: Dr. Jennifer Roberts

Acute Lymphocytic Leukemia (ALL) is a common childhood cancer which originates in the bone marrow. Many of the medications and treatment routes for ALL are now known to cause late-term effects, including cardiovascular disease and osteopenia / osteoporosis.

Transplantation of Pancreatic Islet Cells as a Possible Treatment for Type 1 Diabetes Mellitus

Undergraduate student project in Math / Science

PRESENTER: Katie Crawford
FACULTY MENTOR: Dr. Valerie Vander Vliet

Type 1 Diabetes Mellitus is a disease through which the body no longer produces insulin. Through the transplantation of islet cells into the pancreas, the patient may regain the ability to produce endogenous insulin. This procedure can potentially become a viable treatment option for Type 1 Diabetes Mellitus.
Acute Intermittent Porphyria

*Undergraduate student project in Math / Science*

**PRESENTER**  
Justin Wernig

**FACULTY MENTOR**  
Dr. Valerie Vander Vliet

Acute intermittent porphyria is an autosomal dominant genetic condition. Clinical manifestations range from severe abdominal pain, fatigue, and respiratory failure. Due to these generic symptoms, the disease is often overlooked or is diagnosed as another condition. However, the most obvious is an acute porphyric attack which is generally characterized by severe abdominal pain, sudden confusion, muscle fatigue, and seizures. Recent studies have suggested different viable treatment options to not only treat the acute attacks, but also to prevent the manifestation of the attacks altogether. These studies are working toward the ability to ensure that porphyria carriers remain asymptomatic.

Review of Fluoride Exposure on Tooth Development

*Undergraduate student project in Math / Science*

**PRESENTER**  
Elizabeth Figus

**FACULTY MENTOR**  
Dr. Valerie Vander Vliet

Teeth affected by fluoride are more resistant to dental caries, but ingestion of high concentrations can lead to dental fluorosis. The purpose of this study is to analyze the significance of the concentrations of fluoride exposure and its effects on enamel during the stages of tooth development.
Exon Skipping in Duchenne Muscular Dystrophy

Undergraduate student project in Math / Science

PRESENTER: Martyna Kulawiuk
FACULTY MENTOR: Dr. Valerie Vander Vliet

This paper investigates the treatment of exon skipping in Duchenne muscular dystrophy patients.

Encapsulation of Insulin in Polymeric Nanoparticles for Oral Administration: A Novel Approach to Treating Type 1 Diabetes Mellitus

Undergraduate student project in Math / Science

PRESENTER: Ashley Dempsey
FACULTY MENTOR: Dr. Erin Zimmer

Diabetes Mellitus Type 1, continues to be a chronic metabolic disorder that affects many people throughout the country, requiring strict glycemic control to reduce the progression and complications associated with it. Parenteral administration of insulin, a 51 amino acid peptide, through subcutaneous injection has thus far proven to be the most successful means for controlling blood glucose levels. Despite the effectiveness of insulin therapy, the route of administration is rather unfavorable. Consequently, investigation into the use of insulin encapsulated in nanoparticles for oral administration is under intense investigation in regard to both its pharmacological efficacy and ways to improve patient compliance.
The Theremin: Exploring the Physics of an Electronic Musical Instrument

*Undergraduate student project in Math / Science*

**PRESENTER**  
Matt Macaluso

**FACULTY MENTOR**  
Dr. Joseph Kozminski

A collaboration between the Music and Physics Departments, the physics of one of the oldest electronic instruments, the theremin, was investigated in order to improve the design of the instrument currently in possession of the Music Department.

Effect of Surfactant Concentration on the Size and Fluorescence Quantum Yield of CdS and PbS Quantum Dots

*Undergraduate student project in Math / Science*

**PRESENTER**  
Russell Johnson

**FACULTY MENTORS**  
Dr. Joseph Kozminski and Dr. Jason Keleher

With the advent of new and inexpensive techniques for the production of quantum dots (QDs), there is a high demand for research in materials containing them. The goal of this project is to synthesize CdS and PbS quantum dots and control the particle size by varying the concentration of the surfactants used. A correlation between two particle size measurement methods will be done.
Rapid Expansion of Invasive *Phragmites Australis* Disrupts Native Ecosystems

*Undergraduate student project in Math / Science*

**PRESENTER**
Danielle Mount

**FACULTY MENTOR**
Dr. Erin Zimmer

This paper explores how invasive plant species *Phragmites australis* spreads and affects ecosystems, and it describes possible treatment options.

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Measuring the Transverse Trapping Field Strength of Optical Tweezers

*Undergraduate student project in Math / Science*

**PRESENTERS**
Elizabeth De Waard and Marek Ziebinski

**FACULTY MENTOR**
Dr. Joseph Kozminski

After building single-beam gradient force optical tweezers, the trapping strength of the trap is measured as a function of various parameters.
The Safety and Efficacy of Oncolytic Viral Therapy, with Herpes Simplex Type-1 (HSV-1) Mutant G207, for Treatment of Glioblastoma Multiforme (GBM)

Undergraduate student project in Math / Science

PRESENTER         Lauren Seliga
FACULTY MENTOR    Dr. Erin Zimmer

One developing treatment for cancer utilizes mutant viruses that are able to lyse cancer cells. This thesis will discuss the potential of a herpes simplex virus mutant (G207) for the treatment of glioblastoma.

The Continuum Hypothesis: An Undecidable Proposition?

Undergraduate student project in Math / Science

PRESENTER         Jessica Dreher
FACULTY MENTOR    Dr. Greg Manning

This presentation will explore a significant and controversial problem in theoretical mathematics: transfinite sets and how their cardinalities differ. The different methods for determining the cardinalities and comparing them will be discussed, as will the nature of the controversies surrounding the determination of the cardinalities.
Blood Vessel Repair with the Use of Vascular Endothelial Growth Factors and Angiogenesis

*Undergraduate student project in Math / Science*

**PRESENTER** Kris Nadarajah  
**FACULTY MENTOR** Dr. James Rago

This project explains the use of vascular endothelial growth factors in the healing of blood vessels, particularly after surgical procedures.

Cerebral Edema Due to Treatment Complications of Diabetic Ketoacidosis in Pediatrics

*Undergraduate student project in Math / Science*

**PRESENTER** Sarah Esparza  
**FACULTY MENTOR** Dr. Erin Zimmer

Diabetic ketoacidosis requires urgent treatment to reverse the effects acidosis has on the body. Aggressive treatment potentially leads to the condition of cerebral edema due to cellular swelling. It is necessary for preventative measures to be established for a favorable outcome in pediatric patients.

Genetic Engineering of *E. coli* and its Use in Treating Infections

*Undergraduate student project in Math / Science*

**PRESENTER** Wala Abu-Mallouh  
**FACULTY MENTOR** Dr. Jennifer Roberts

A study of the genetic modification of *E. coli* and its potential clinical applications in medicine.
Effects of Prod 1 in Limb Regeneration in Urodele Amphibians

*Undergraduate student project in Math / Science*

**PRESENTER** Lauren Wojtaszek  
**FACULTY MENTOR** Dr. James Rago

A presentation on the initiation of limb regeneration in salamanders; specifically how Prod 1 gene works in initiating the process.

DHEA Supplementation

*Undergraduate student project in Math / Science*

**PRESENTER** Aleksander Pecherek  
**FACULTY MENTOR** Dr. James Rago

This project explores the benefits and side effects of dehydroepiandrosterone (DHEA) supplementation.

The Use of Human Chorionic Gonadotropin (hCG) in Breast Cancer Prevention

*Undergraduate student project in Math / Science*

**PRESENTER** Brittany Stasukewicz  
**FACULTY MENTOR** Dr. James Rago

This presentation discusses the potentially beneficial uses of Human Chorionic Gonadotropin in the prevention of breast cancer.
Endoplasmic Reticulum Stress: The Unfolded Protein Response and Diabetes

*Undergraduate student project in Math / Science*

**PRESENTER**  Ryan Wible  
**FACULTY MENTOR**  Dr. James Rago

An assembled review of journal articles focusing on the endoplasmic reticulum, endoplasmic reticulum stress, and the subsequent effects of the unfolded protein response, in association with diabetes.

Synthesis and Characterization of Nanocomposites for Next Generation Alternative Energy Applications

*Faculty project in Math / Science*

**PRESENTER**  Dr. Jason Keleher

The increasing dependence on fossil fuels has both placed a strain on the economy as well as heightened the need for the development of clean alternative energy sources such as the use of solar energy. One major thrust is the development of systems that mimic nature and more specifically the highly efficient process of photosynthesis. The proposed research will explore the fundamental reaction mechanisms that are responsible for the preparation of cost effective and efficient devices that mimic natural photosynthesis. Of specific emphasis will be the implementation of functional nanocomposite that contains photo-active dyes and/or quantum dots coupled to the surface of semiconducting nanoparticles. These functional systems will be placed in a conducting polymer matrix to produce a flexible solar cell which can be prepared at a fraction of the cost of traditional silicon solar devices.
Development of a Train-the-Trainer Program for Nurses Providing End-of-Life Planning

*Alumni project in Nursing*

**PRESENTERS**    Audrey Wirth, Leigh Anne Piper and Kathy Rombach

**FACULTY MENTORS**    Dr. Janice Smith and Dr. Stacie Elder

The aim of the study was to identify what information is necessary to incorporate into educational materials to assist nurses in guiding patients over 55 years of age in end-of-life decision making prior to a life threatening event. The results provided the foundation for the development and implementation of a train-the-trainer workshop for Registered Nurses. A pilot of the training workshop was successfully conducted.

Pneumonia: What You Need to Know

*Undergraduate student project in Nursing*

**PRESENTERS**    Kaylyn Dever and Leah Roman

**FACULTY MENTOR**    Sandra Razka

This presentation reviews the etiology, prevention and treatment of pneumonia. It targets the highest risk group, those over age 65, while providing basic information that benefits all age groups.
Cold vs. Flu

*Undergraduate student project in Nursing*

**PRESENTERS**  
Emily Hosbach, Alicia Harnois  
and Nicole Peckels

**FACULTY MENTOR**  
Sandra Razka

Cold vs. Flu is an interactive and engaging PowerPoint presentation, allowing the participants to be able to identify the different causes, signs and symptoms, medications and prevention techniques regarding the cold and flu.

Disaster Preparedness

*Undergraduate student project in Nursing*

**PRESENTERS**  
Alyssa Krakar, Gina Valentino, Melanie Zaragoza, Kristina Zajesk, and Jordan Stefanski

**FACULTY MENTOR**  
Mary Hasse

This presentation outlines the importance of disaster planning in the hospital and the community.
Enhancing Professionalism in Nursing Through Certification

*Graduate student project in Nursing*

**PRESENTERS**
Jennifer M. Grenier, Jennifer Bak, Sherry Lombardo and Victoria Carroll

**FACULTY MENTOR**
Dr. Jan Smith

Board certification is validation of a nurse’s knowledge and expertise in a specialty area. A survey was conducted of staff nurses to identify barriers to specialty certification. Based on the results, the development of a plan to reduce the barriers to certification and subsequently increase certification is viable.

Simulation in Nursing Education: Bridging Theory to Practice

*Alumni project in Nursing*

**PRESENTERS**
Holly Losurdo, Dalean Seitz-Rumble, and Audrey Zaleski

**FACULTY MENTOR**
Dr. Gwen Svoboda

This project involved the design and implementation of two high fidelity mannequin simulation exercises for use in a university-based nursing skills laboratory. Student participants provided valuable information pertaining to the effectiveness of nursing education by achieving simulation objectives. They also unveiled opportunities for improvement. Significant recommendations for nursing education were derived through completion of this simulation project.
Anticipatory Grief and Terminal Cancer: Concept Confusion?

Graduate student project in Nursing

PRESENTER: Mary Parks
FACULTY MENTOR: Dr. Paula Karnick

The concept of anticipatory grief has been used to describe the complex issues of those facing impending death, and is used to describe the experience of both the dying person and their survivors. Research has shown that those who have received a diagnosis of terminal cancer experience many symptoms, both physical and psychosocial, that mirror those symptoms historically attributed to anticipatory grief, causing confusion with the identification of the concept.

Establishing a Continuity of Care Model for Persons with Chronic Conditions: Diabetes Type 2; Venous and Diabetic Ulcers

Alumni project in Nursing

PRESENTERS: Catherine Jackson and Tracy Robinson
FACULTY MENTOR: Dr. Gwen Svoboda

The purpose of this study was to test the feasibility and effectiveness of the eight Cs Continuity of Care model developed in 2009 when educating and caring for individuals with Type 2 diabetes, venous ulcers, and diabetic ulcers. Although widely discussed, the benefits of continuity of care are hard to explicate from practice. Eight attributes were delineated for the concept of continuity of care as being key to developing and delivering comprehensive coordinated care to patients that improved both physical health and patient perceptions about their healthcare experiences.
Service Learning as a Tool for Nursing Education

*Undergraduate student project in Nursing*

**PRESENTERS**
Nicole Serdena, Brittany Conrad, Wendy Mazariegos, Caitlin Murach, Kaleigh Nolan, and Brittany Russo

**FACULTY MENTOR**
Dr. Gail Vitale

The service learning model was used in nursing education to encourage a greater understanding of healthcare needs for vulnerable populations.

Body Image and College Women

*Graduate student project in Social Science*

**PRESENTER**
James France

**FACULTY MENTOR**
Dr. Kip Kline

The purpose of this study is to understand the expectations young adult women (college) have about their body image. Thus, this study explores how their experiences and interpretations of their body image have socialized their thinking and perceptions for their need to reconstruct their bodies.
Finding Normative Data for Serial 3 and Serial 7 Tests

Undergraduate student project in Social Science

PRESENTER: Artrina Slabich
FACULTY MENTOR: Dr. Thomas Bristow

This project set out to establish standardized administration and normative data for Serial 3 and Serial 7 Tests, which are used in traumatic brain injury and Alzheimer’s Disease to test cognitive function. By finding norms, these cognitive tasks would be able to be used more widely and more definitively.

The Cyclical Nature of Human Rights

Undergraduate student project in Social Science

PRESENTER: Lauren Messenger
FACULTY MENTOR: Dr. Tracey Nicholls

This study is an examination of human rights with respect to the societies in which they rise and fall.
Fabric Art: Lewis Parish Nursing Course Banner

Graduate student project

PRESENTERS: Susan Stepek and Pamela Gregan
FACULTY MENTOR: Dr. Kathleen Blanchfield

The Fabric Art banner depicts the International Parish Nurse Resource Center emblem. This work of art conveys the image of a stained glass window that depicts Christian symbols in parish nursing.

i’s

Undergraduate student project

PRESENTER: Nicole Nellen
FACULTY MENTOR: Mark Swain

i’s is a painting created with acrylic and water colors to create a trippy piece. It uses a lot of patterns, detail, layers, bright colors, and objects to get the exact look the artist wanted. This painting was meant to catch people’s eyes and to make them stop and look at all the things hidden in this piece. Behind all of the madness are two eyes; one is crying. The meaning behind this painting is that you have to stop, take time, and look hard to see all the things that are going on in life.
Autobiography

*Undergraduate student project*

**PRESENTER**
Jillian Carlberg

**FACULTY MENTORS**
Mark Swain and Paul Mitchell

*Autobiography* is a mixed media piece providing an autobiographical perspective on the life of the artist. Combining line study, photography, and digital media in the creation of this work, a large emphasis is placed on line, weight, shape, repetition, color, and geometry. With each element of the design chosen intentionally, the piece expresses the core of the artist’s “self” in the hope that viewers will gain a greater grasp of their own “self” and appreciation for others.

Subway Station

*Undergraduate student project*

**PRESENTER**
Connor McLennan

**FACULTY MENTOR**
Mark Swain

*Subway Station* is a piece inspired by how the artist has noticed a slice of modern life. Depicting a dirty, weathered subway station, this work was created from the experience of many trips into and out of Chicago on the Metra and the L trains. In this work, a homeless man and middle-class business man juxtapose each other portraying the economic struggles people are experiencing. Using a variety of materials such as charcoal, oil paint, gouache, spray paint and acrylic enabled the artist to gain more depth and age to the piece.
PERFORMANCES

Three Sheets to the Wind

*Undergraduate student project*

**PRESENTER** Connor McLennan  
**FACULTY MENTOR** Mark Swain

*Three Sheets to the Wind* is a portrayal of energy through line and color. Although the man depicted in this painting is projectile vomiting, the strong diagonals within the spray paint and geometric contour lines give it life. Also, the sharp edged geometric repetition throughout the piece is contrasted by the spontaneous, gestural and uncontrollable scribbles within the figure. With all qualities kept in mind, this piece shows high energy and chaos, while it still keeps unity and balance.

Eggs

*Undergraduate student project in Humanities*

**PRESENTER** Deirdre McCormick  
**FACULTY MENTOR** Dr. Simone Muench

“Eggs” is a work of poetry that confronts the struggles and the pressures that sterility presents within society. It is a poem born of the tension between fertility and sterility.
The World of Fruitcake

*Undergraduate student project in Humanities*

**PRESENER** Timothy Fitzpatrick  
**FACULTY MENTOR** Dr. Simone Muench

This poem is an imitation of Wallace Stevens’ “The Emperor of Ice Cream,” and it satirically speaks to the current trend of consumerism and consumption during the holiday season.

“Dear Shakespeare” and “Dear Jersey Shore”

*Undergraduate student project in Humanities*

**PRESENTERS** Katie Esposito and Tim Fitzpatrick  
**FACULTY MENTOR** Dr. Simone Muench

What would William Shakespeare think of “Jersey Shore”? These collaborative poems, “Dear Jersey Shore” and “Dear Shakespeare” speak to one another in a way that explores how the art of language has been distorted through reality TV shows.

Beowulf

*Faculty project in Humanities*

**PRESENTERS** Peter Jokubauskas, Kelly Schreiber, Megan Schlegel and Christine Sellin  
**FACULTY MENTOR** Dr. Dawn Walts

This production originated as the final group project for British Literature 1.
Shakespeare Poster Boards

*Undergraduate student project in Humanities*

**PRESENTERS**
Katie Esposito, Erick Passarelli, Christine Sellin, and Michelle Vuckso

**FACULTY MENTOR**
Dr. Dawn Walts

This assignment was designed to allow students the opportunity to engage more creatively with Shakespeare’s work. Students translated the content of the plays into a different medium in such a way that an audience unfamiliar with the plays would be able to learn about the content. Projects combine interpretive writing with selected images and include reflective analysis.
Stage Properties Designed and Constructed for “Seussical”, “Dr. Jekyll and Mr. Hyde”, and “Rose and the Rime”

*Undergraduate student project in Performing Arts*

**PRESENTER**  Melanie Gillies  
**FACULTY MENTOR**  Keith White

This project features twelve poster boards showing the construction and use of props for the Philip Lynch Theatre shows “Seussical”, “Dr. Jekyll and Mr. Hyde”, and “Rose and the Rime”. The props for “Seussical” and “Dr. Jekyll and Mr. Hyde” won certificates of merit and props for all three shows were presented at the American College Theatre Festival.

“Nickel and Dimed” and “Rose and the Rime” Set Designs

*Undergraduate student project in Performing Arts*

**PRESENTER**  Melissa Chicola  
**FACULTY MENTOR**  Keith White

This project includes six foam board posters; three for each play. Each foam board shows the layout ideas of the concept for each set design of the plays “Nickel and Dimed” and “Rose and the Rime” and how it came together on to the stage.
POSTERS

“Roots: A Foundation of Identity”
Undergraduate student project in Performing Arts

PRESENTER Candelaria Sanchez
FACULTY MENTOR Dr. Simone Muench

This creative nonfiction essay explores identity and culture while examining the multiple meanings of “skin,” as specifically related to Mexican-American heritage.

“The Truth”
Undergraduate student project in Performing Arts

PRESENTER Mark Jacobs
FACULTY MENTOR Dr. Simone Muench

“The Truth” is a brief exploration of human values in search of sensible and immitigable reason. It is composed as a brief list of those essences of life which the author felt made the most sense and was least fallible to the nuances and peculiarities of the human condition.

“Lightmonger”
Undergraduate student project in Performing Arts

PRESENTER Mark Jacobs
FACULTY MENTOR Dr. Simone Muench

“Lightmonger” is a novella, composed in the form of brief insights into the lives of two characters whose names we do not know and whose pursuits are only understood incidentally. The events and stories are not in chronological order, but are meant, rather, to expose the characters’ many sides over the course of several decades as they age, learn, and love.
The Internationalization Strategy of Baosteel

*Undergraduate student project in Business*

**PRESENTERS**  
Christopher White and Christina Hitchcock

**FACULTY MENTOR**  
Dr. Roberto Gamarra

Our study aims to investigate ways a firm can enter global markets. In this case study research, we look at Baosteel, a Chinese international steel producer. This company’s internationalization strategy has enabled it to become a technology leader in the global steel industry.

International Expansion of Nippon Steel

*Undergraduate student project in Business*

**PRESENTER**  
Jody Wagner and Victoria Jorden

**FACULTY MENTOR**  
Dr. Roberto Gamarra

This study explores the international expansion of Nippon Steel Corporation, a leading company in the global steel industry.

Causes and Results of the Global Financial Crisis

*Graduate student project in Business*

**PRESENTER**  
Huyen Le

**FACULTY MENTOR**  
Dr. Frank Rose

This study examines the global financial crisis of 2007-2009 with respect to causes, recovery plans implemented in several key countries, effectiveness of those plans, and lessons learned that may help predict and avoid future crises.
The Response of Greek Citizens to Greece’s Financial Crisis

Graduate student project in Business

PRESENTER       Jennifer Fregeau
FACULTY MENTOR  Dr. Frank Rose

This study examines the response of Greek citizens to the country’s financial crisis. Attempts to pull the country out of debt have caused major changes to the lives of the general population. The reaction of the citizens will play an important role in the country’s ability to recover and move forward.

Curriculum Based Measurements

Undergraduate student project in Education

PRESENTERS       Heather Hagberg and Jennifer Sitar
FACULTY MENTOR  Dr. Pamela Jessee

The purpose of a comprehensive assessment and evaluation is to accurately identify a student’s patterns of strengths and needs (National Joint Committee on Learning Disabilities, 2010). The evaluation summarizes previously known information, which is used to help support and analyze new results in an effort to create and administer curriculum that is meaningful and relevant to a given student.
Art for Peace: A Collaborative Class Contribution to The Global Art Project

Faculty project in Humanities

PRESENTER: Dr. Tracey Nicholls and 15-330-5 Ethics (Action and Values)

This is a poster presentation about building a global solidarity movement for world peace, through the exchange of artworks created by the participants in the movement.

Effects of an Orientation Program on Volunteer Satisfaction and Retention

Alumni project in Humanities

PRESENTER: Holly Calvillo

FACULTY MENTOR: Dr. Keith Lavine

This research focuses on the motivation of volunteers at nonprofit organizations and the factors involved in retaining them. Specifically, the study examines the potential impact of an orientation program on volunteer satisfaction and retention.
Increasing On-the-Job-Trainings Under Workforce Development

*Alumni project in Humanities*

**PRESENTER** Troy Morehouse  
**FACULTY MENTOR** Dr. Keith Lavine

This research study was completed to examine the effectiveness of the Workforce Investment Act spending by comparing the effectiveness of On-the-Job-Trainings versus Individualized Training Accounts. Through analyzing data, two hypotheses were tested. The hypotheses were: 1) On-the-Job-Trainings is a more effective way of helping jobseekers attain employment at a sustainable wage than Individualized Training Accounts; and 2) On-the-Job-Trainings results in employment relevant to training more often than Individualized Training Accounts.

Breaking the Barrier: Easing Transition into Working with Communities

*Faculty project in Humanities*

**PRESENTERS** Dr. Stacie Elder, Dr. Christine Billups,  
Dr. Jion Liou Yen, Rachel Burke and Beka Flanagan

This poster focuses on how using mixed methodologies measured students’ learning in academic courses that implemented service learning as a teaching tool. It provides insights into how the goals achieved demonstrated the efficacy of service learning to holistic education and personal student transformation.
Public Relations Portfolio

*Undergraduate student project in Humanities*

**PRESENTER**  Mary Carroll  
**FACULTY MENTOR**  Lisa O’Toole

This project features a public relations portfolio for a local non-profit organization.

“A Midsummer Night’s Dream”

*Undergraduate student project in Humanities*

**PRESENTER**  Christine Sellin  
**FACULTY MENTOR**  Dr. Dawn Walts

This poster presentation features Shakespeare’s “A Midsummer Night’s Dream” as told in newsletter form. It includes the writer’s reflections on the creative and analytical process.

“Othello” in Facebook

*Undergraduate student project in Humanities*

**PRESENTER**  Katie Esposito  
**FACULTY MENTOR**  Dr. Dawn Walts

This poster tells the story of Shakespeare’s “Othello” in the format of a Facebook profile.
The Moor Times

Undergraduate student project in Humanities

PRESENER: Erick Passarelli
FACULTY MENTOR: Dr. Dawn Walts

This poster project tells the story of Shakespeare’s “Othello” as if it were chronicled by a newspaper, *The Moor Times*. The author created this assignment to aid high school students in understanding Shakespeare’s play drawing from experience working on *The Flyer*.

“Henry IV, Part 1”

Undergraduate student project in Humanities

PRESENER: Michelle Vucsko
FACULTY MENTOR: Dr. Dawn Walts

This poster project tells the story of Shakespeare’s “Henry IV, Part 1” as if it were chronicled by a newspaper. It was created to aid high school students in understanding Shakespeare’s play.

Evolution of Vampires

Undergraduate student project in Humanities

PRESENER: Martina Barnat
FACULTY MENTOR: Nate Slawson

This is a presentation explaining the evolution of vampires, to what and how they have evolved, and how we have changed in our views of these once-terrifying creatures.
Role of Fingerprint Powder Particle Size on Latent Print Quality

*Undergraduate student project in Math / Science*

**PRESENTER**  Cassandra Myers  
**FACULTY MENTOR**  Dr. Jason Keleher

In the current capacity of forensic investigation, a myriad of different fingerprint powders are utilized to develop latent fingerprints. This presentation focuses on the correlation between latent print quality and particle size and also expands on developing fingerprint research.

Evaluation of the Catalytic Decomposition of $\text{H}_2\text{O}_2$ Through Use of Organo-metallic Complexes – A Potential Link to the Luminol Presumptive Blood Test

*Undergraduate student project in Math / Science*

**PRESENTERS**  Olivia Chesniak, Thomas Soderquist, Matthew Witt, Alan Paramo, and Victoria Keeling  
**FACULTY MENTOR**  Dr. Jason Keleher

The luminol reagent is widely used for latent blood detection during crime scene investigation. The iron core of hemoglobin reacts with the luminol reagent and an oxidizing agent, such as hydrogen peroxide ($\text{H}_2\text{O}_2$), to produce chemiluminescence. Until this point, the reaction mechanism had been unresolved and the validity of the luminol reagent as a presumptive test was questioned due to the luminescent response produced via reaction with other organo-metallic complexes. This recently published work sheds light on the mechanistic details of the luminol reaction, showing a strong correlation between the rate of catalytic $\text{H}_2\text{O}_2$ decomposition, chemiluminescent intensity, and complex structure.
Synthesis of Flexible Anodic Nanomaterials for Bio-inspired Solar Energy Production

Undergraduate student project in Math / Science

PRESENTERS
Olivia Chesniak, Matthew Witt, John Ephraim and Jarmel Doss

FACULTY MENTOR
Dr. Jason Keleher

Renewable energy sources are in great demand as a result of the economic dependence on fossil fuels and the abundance of power-generating natural resources, including sunlight and wind. Rooted in a molecular understanding of photosynthesis and dye-sensitized solar cells (DSSC), this work focuses on the synthesis of flexible nanomaterials for use in solar energy production. An affordable alternative to silicon solar cells, this work focuses on the preparation of a flexible and conductive polymer matrix embedded with dye-coated semiconducting nanoparticles.

 Activation Energy of Passivating Film Formation on a Static Copper Surface Using Model CMP Solutions with Differing Concentrations of Copper Ion

Undergraduate student project in Math / Science

PRESENTERS
Russell Johnson and Brad Watson

FACULTY MENTOR
Dr. Jason J. Keleher

Chemical Mechanical Polishing (CMP) has emerged as a critical technology for achieving global planarization in advanced integrated circuit manufacturing. Model slurry chemistries that contain oxidizers, complexing agents, oxidation inhibitors, and surfactants commonly used in the industrial manufacturing process are being explored. These systems will enable the calculation of the activation energies (Ea) that correspond to the passivating film formation on the surface of copper.
Studying the Solid-Liquid Interface Relevant to CMP

Undergraduate student project in Math / Science

PRESENTERS   Jordan Kaiser and Kelly Tillman
FACULTY MENTOR  Dr. Jason Keleher

This research utilizes fourier transform attenuated total reflectance (FT-ATR), dynamic light scattering (particle size), zeta potential, and electrochemical quartz crystal nanobalance (EQCN) to measure interactions at the solid-liquid interface during the CMP process. Extensive understanding of these processes will shed light on the development of novel consumables (pads, filters, slurries) for a wide range of next generation CMP applications.

Identifying the Structure and Formation Process of Escherichia coli Biofilms Using Attenuated Total Reflectance Spectroscopy and Electrochemical Quartz Crystal Nanobalance Measurements

Undergraduate student project in Math / Science

PRESENTERS   Katherine Hargrove and Thomas Campbell
FACULTY MENTOR  Dr. Jason Keleher

This project studies two types of bacteria, Escherichia coli and Staphylococcus aureus, using ATR Spectroscopy and EQCN measurements in order to study their method of attachment on different surfaces.
Biofilm Development: Many Characters, Different Plots

Undergraduate student project in Math / Science

PRESENTERS
Erin Blazina, Aleksander Pecherek, Elizabeth Figus, Christian Yasmine and Elizabeth Floren

FACULTY MENTOR
Dr. Jerry Kavouras

An investigation of *E. coli* and *S. aureus* biofilm architecture and development under static environmental conditions. Environmental factors such as temperature, surface chemistry, and nutrients play a role in the arrangement and density of cells within biofilms. These factors may influence the integrity of the biofilm as a protective barrier.

Simulations of Neutron Interactions with Various Materials for Particle Detector Shielding

Undergraduate student project in Math / Science

PRESENTER
Elizabeth De Waard

FACULTY MENTOR
Dr. Joseph Kozminski

Particle physics experiments require adequate detector shielding to be successful. This shielding can be researched, developed, and optimized through Monte Carlo simulations of particle interactions.
Automating Market Analysis to Maximize Profit and Minimize Risk

Undergraduate student project in Math / Science

PRESENTER: Brian Wilhelm
FACULTY MENTOR: Dr. Ray Klump

This work aimed to give the average investor an advantage over the usual “buy and hold” investment approach by studying investment products and their behavior as they relate to their underlying attributes. Several conventional market-monitoring strategies were combined to find recurring sets of similar data and use the results to anticipate changes in the value of investment vehicles.

Student Centered Learning Through Integration

Faculty project in Math / Science

PRESENTER: Lark Welch

Fink’s Taxonomy of Creating Significant Learning Experiences through Integration and Service Learning will be presented via a poster presentation. This taxonomy will be connected to cognitive learning along with constructivism, and how someone has learned to learn. This is a powerful student centered learning approach to education in any discipline.
Antimicrobial Efficiency of Photochemically Prepared Ag-TiO$_2$ Nanoparticles

*Undergraduate student project in Math / Science*

**PRESENTERS**
Thomas Campbell, Alessandro Mazza, Tyler Mccue and Deirdre McCormick

**FACULTY MENTOR**
Dr. Jason Keleher and Dr. James Rago

This project explores the effects of particle size and zeta potential on the antimicrobial efficiency of silver-coated titanium nanoparticles. Twenty-five particle batches were synthesized, varying the reaction mixture each time, and the products were characterized before analyzing their antimicrobial efficiency.

Algorithm for Advanced Directives

*Alumni project in Nursing*

**PRESENTERS**
Olivia Lemberger and Dr. Stacie Elder

**FACULTY MENTOR**
Dr. Jan Smith

Nurses in all clinical settings encounter ethical issues that consistently lead to moral distress, especially when faced with difficult situations such as end-of-life care. The purpose of the study is to help nurses approach end-of-life care planning, with patients and their significant others, consistently through the use of an algorithm.
Incorporating Caring Theory into Personal and Professional Nursing Practice to Improve Perception of Care

*Alumni project in Nursing*

**PRESENTERS**
Mary Desmond, Dr. Linda Ryan, Kathryn Keith, Susan Kelby and Suzen Horn

**FACULTY MENTOR**
Dr. Jan Smith

A purposive sample of ten nurses was selected to participate in an educational session. The purpose was to enhance caring behaviors of nurses, consistent with Watson’s (2008) Caring Science Theory. The participant’s caring attitudes and behaviors were measured. The nurses’ caring attitudes and behaviors increased at the conclusion of the session. Results of the HCAHPS score comparisons six months post intervention is pending.

**FIRST PICC: PICC Lines vs. CVCS to Reduce Insertion Complications**

*Undergraduate student project in Nursing*

**PRESENTERS**
Keali Driscoll, Katherine Gawlik and Kathleen A. Posa

**FACULTY MENTOR**
Dr. Kathleen Fitzgerald

This presentation’s purpose was to compare the incidence of infection and complications related to placement of short-term central venous catheters (CVCs) versus peripherally inserted central catheters (PICCs). EBSCO, CINAHL, and PubMed databases were searched and three research studies were reviewed. All studies concluded that PICC lines decreased the risk of insertion-related complications and were cost-effective based on lower infection rates, decreased patient injury, and less cost per patient.
A Concept Analysis of Hope

Graduate student project in Nursing

PRESENTER       Marie Penn
FACULTY MENTOR  Dr. Jan Smith

An examination of the concept of hope was conducted using the analysis strategy developed by Walker and Avant (2010). This approach examines identifiable historical uses, distinct attributes, antecedents, consequences, and empirical referents of hope. This analysis provides important implications for professional nursing practice and patient care.

Spiritual Leadership: The Art of Facilitating Advanced Care Planning

Faculty project in Nursing

PRESENTERS    Dr. Kathleen Blanchfield and Dr. Jan Smith

Parish Nurses are in a unique and privileged position to help members of the congregation deal with the life shaping issue of advanced care planning. The principles of servant leadership (O’Brien, 2011) serve as a framework by which the parish nurse can assist individuals with decisions about planning for this difficult life transition.
Child Abuse, Elder Abuse, and Intimate Partner Violence Online Continuing Education Program

*Alumni project in Nursing*

**PRESENTERS**
Susan Gregory, Denise Matyas and Annette Slotwinski

**FACULTY MENTOR**
Dr. Jan Smith

This project intended to provide information on child abuse and maltreatment, elder abuse and maltreatment, and intimate partner violence to professional Registered Nurses in a convenient and affective manner. The ultimate goal was to enhance the delivery of healthcare by nurses in identifying, treating, preventing, and reporting these three types of abuse.

Concussions and Helmet Safety

*Alumni project in Nursing*

**PRESENTERS**
Harry Chan, Darin Lefever and Typhannie Banks

**FACULTY MENTORS**
Kathy McDannel and Melanie Obispo-Young

This project examined sports equipment and safety to prevent concussions. An extensive literature review was conducted and current sports equipment manufacturers were contacted to obtain product information.
Quality Improvement: Is a Foley Catheter the Right Answer?

Undergraduate student project in Nursing

PRESENTERS
Jaimie Castonguay, Jennifer Rachan, Amanda Young, Ashley O’Connor, Caitlin Schlomas, Colette Maida, Kathryn Hague and Mallory Finn

FACULTY MENTORS
Patricia Braida, Kathy McDannel

The aim of this project was to investigate the appropriateness of Foley catheter use and to improve the quality of care for patients by reducing the inappropriate use of indwelling Foley catheters. Nursing students assessed the clinical indications and appropriateness for the use of Foley catheters in their patients by utilizing guidelines from the literature.

CAUTI Protocol in an Acute Hospital Setting

Graduate student project in Nursing

PRESENTER
Pinkey Patel

FACULTY MENTOR
Dr. Pamela Martyn-Nemeth

Catheter acquired urinary tract infections (CAUTI) account for 80% of all hospital acquired urinary tract infections. Three nurses collaborated with infection control to find the root cause of identified CAUTI events. A nurse-created, nurse-driven performance plan was initiated to decrease the incidence of CAUTI, improve patient safety, and reinforce evidence-based practices.
Diabetes Management in Schools

Graduate student project in Nursing

PRESENTER         Libby Black
FACULTY MENTOR   Dr. Pamela Martyn-Nemeth

Children with Type 1 diabetes (T1DM) spend much of their day in schools where proper management of their disease is crucial to their safety and wellbeing. The goal of this policy analysis was to examine current school policy to determine the best approach to safely manage this population during their school day. Literature shows varying methods of diabetes management in schools across the nation. Without the resource of a school nurse, trained diabetes care aides are appropriate alternative caregivers.

Combating Childhood Obesity with Physical Activity Programs in Schools

Graduate student project in Nursing

PRESENTER         Valerie Fleishman
FACULTY MENTOR   Dr. Pamela Martyn-Nemeth

The aim of this policy analysis was to review the current state of physical activity in schools and identify the most effective approach to reduce obesity. The nation’s educational system provides a logical environment to involve the greatest amount of children in physical activity programs.
Improving Quality of Care in Patients with CHF

*Undergraduate student project in Nursing*

**PRESENTERS**  
Jea Ramiro, Samantha Hill, Amanda Zabierek, Shay Valen, Rebecca Burkhart, Katelyn Melvin, Colleen Duggan, and Abigail Stec

**FACULTY MENTORS**  
Katherine McDannel and Diana Scheader

This project developed a pocket guide to aid certified nursing assistants (CNAs) from a southwest suburb medical center in their delivery of care for patients with congestive heart failure. The tool relayed to CNAs the significance of their interventions in relation to the disease process, and the importance of maintaining communication about the patient’s condition with the nurse. Ultimately, the tool improved charting and reporting by the CNAs, and initiated other units to implement and adapt a similar tool for their specific unit.

Demographic Information Associated with Stress and Anxiety Among College Students

*Undergraduate student project in Social Science*

**PRESENTER**  
Jamie Gunn

**FACULTY MENTOR**  
Dr. Valerie Hill

This study investigated demographic information (e.g. class standing, college major, gender) associated with stress and anxiety among college students.
Combating Bullying Through a Youth Mentoring Program

*Undergraduate student project in Social Science*

**PRESENTERS**

Areli Delgado, Lauren Szot and Toneika Wallace

**FACULTY MENTOR**

Dr. Gail Gehrig

Applied Sociology students surveyed children in the Lewis Big Brothers/Big Sisters (BBBS) mentoring program concerning their experiences with bullying. Findings from the survey were incorporated into an effective interactive bullying awareness and prevention program for the youth and their Lewis mentors.

Depictions of Black Women via Reality Television

*Undergraduate student project in Social Science*

**PRESENTER**

Toneika Wallace

**FACULTY MENTOR**

Dr. Tennille Allen

This study conducted a content analysis on the depictions of African American women in reality television.
The Relationship Between Happiness and Sexual Orientation

*Undergraduate student project in Social Science*

**PRESENTER** Frances Swint  
**FACULTY MENTOR** Dr. Mary Vandendorpe

Research was conducted to see if there was a relationship between sexual orientation and happiness and stress. It was believed that those who are not heterosexual would experience more stress, and so would not be as happy. The findings showed that happiness is linked to lower stress, happiness with sexual orientation, and not believing that gender was a source of stress.

Jim Jones: Narcissistic Personality Patterns in Mass Murder

*Undergraduate student project in Social Science*

**PRESENTER** Jennifer Merzlock  
**FACULTY MENTOR** Dr. Keith Killacky

This research analyzes the development and life of Jim Jones, constructing a profile that serves as an example of narcissistic personality disorder and how patterns of narcissism can manifest into criminality and mass murder. Jones’ narcissistic personality traits explain his techniques, motivation, typology, and victimology as a mass murderer. Successful analysis develops recognition of narcissistic features in criminals, understanding of mental illness as a theory of crime, and serves as a catalyst for future research on other mental disorders and their interactions with the law.
Black Consciousness and the Black Panther Party

Undergraduate student project in Humanities

PRESENTER  Latricia Cleveland
FACULTY MENTOR  Dr. Tennille Allen

This project will discuss the accomplishments and legacy of the Black Panther Party as well as a modern idea of Black Consciousness.
## OVERSIGHT COMMITTEE

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<tr>
<th>Dr. Pam Martyn-Nemeth</th>
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