

HONORS COLLEGE



RESEARCH WEEK 2024

— SCHEDULE AT A GLANCE —

MONDAY, APRIL 15 — UC 168 A/B

9:00 A.M.— 3:45 P.M.

Presentations by students in the following tracks:

Nursing, Cognitive Science, and Clinical Psychology & Neuropsychology

7:00 — 9:00 P.M.— LIBRARY AUDITORIUM

**Presentations by students in the
Performing and Literary Arts Track**

TUESDAY, APRIL 16 — UC 168 A/B

9:15 A.M.— 2:15 P.M.

Presentations by students in the following tracks:

**Clinical Psychology & Neuropsychology, Global Public Health,
and Social Sciences**

7:00 — 9:00 P.M.— LIBRARY AUDITORIUM

**Presentations by students in the
Performing and Literary Arts Track**

WEDNESDAY, APRIL 17— UC 168 A/B

9:00 A.M. — 2:45 P.M.

Presentations by students in the following tracks:

Business, Humanities, and Cognitive Science

THURSDAY, APRIL 18—UC 168 A/B

9:00 A.M. — 4:15 P.M.

Presentations by students in the following tracks:

Social Sciences, Biology, and Music

*Please see the full schedule on pages 2 & 3.
Please email Honors@wpunj.edu with questions.*

ABOUT HONORS RESEARCH WEEK 2024

Each spring, the Honors College showcases the work of students who are completing one of the Honors College tracks, and recognizes the faculty and staff members who have contributed to their success. Congratulations to all of the outstanding individuals who are participating in Honors Research Week!

WILLIAM PATERSON UNIVERSITY

Richard Helldobler
University President

Joshua Powers
Provost and Senior Vice President
for Academic Affairs

Barbara Andrew
Honors College Dean

UNIVERSITY HONORS COLLEGE

**Raubinger 207
300 Pompton Road
Wayne, New Jersey
honors@wpunj.edu
www.wpunj.edu/honors**

PRESENTATION SCHEDULE—MONDAY, 4/15 AND TUESDAY, 4/16

MONDAY, 4/15 - UC 168 A/B		
9:00 a.m.	Jeacamille Domingo	NUR
9:15	Zahra'a Fardos	NUR
9:30	Aurora Gerbeshi	NUR
9:45	AnnaRose Spencer	NUR
10:00	Belle Caputo	NUR
10:15	Natalia Chaparro	NUR
10:30	BREAK	
10:45	Haley DeBonta	NUR
11:00	Marvelyn Dumaguing	NUR
11:15	Jeffrey Fay	NUR
11:30	Will Fields	NUR
11:45	Wendy Kim	NUR
12:00	BREAK	
12:15	Christina Lewis	NUR
12:30	Amy Marcucilli	NUR
12:45	Isabel Mujia	NUR
1:00	Louise Nastasi	NUR
1:15	Riley Oostdyk	NUR
1:30	Vanessa Ruiz	NUR
1:45	Carly Santucci	NUR
2:00	BREAK	
2:15	Julia Schwartz	NUR
2:30	Minhee Song	NUR
2:45	Rayah Suleiman	NUR
3:00	Abigail Malandro	CGSI
3:15	Bianca Vargas	CP
3:30	Elana Lepishina	CP

Performing and Literary Arts Track MONDAY, 4/15 - 7:00 - 9:00 p.m. Library Auditorium
Samuel Aubuchon James Bally Rochelle Estrada Daniel Gomolka Richard Larouech Dave Montgomerie Eoin O'Mara Todd Pettet Vienne Voysey Johann Yorobe

TUESDAY, 4/16 - UC 168 A/B		
9:00 a.m.	Samantha Soler	CP
9:15	Kevin Czerny	CP
9:30	Gabriella Perez	CP
9:45	Shana'e Walker	CP
10:00	Mel Brunda	CP
10:15	Haley Weinberger	CP
10:30	Jordynn Jones	CP
10:45	Julie Alvarez	CP
11:00	BREAK	
11:45	Justin Bambico	PBHL
12:00	Jessica Bodei	PBHL
12:15	Kalie Gomez	PBHL
12:30	Alexandra Quintero	PBHL
12:45	Helen Yousaf	PBHL
1:00	Sabriyah Satterfield-Ali	PBHL
1:15	Didar Yahia	PBHL
1:30	Christopher Prol	PBHL
1:45	Isabel Nemeth	PBHL
2:00	Jessica David	SSH

Performing and Literary Arts Track TUESDAY, 4/16 - 7:00 - 9:00 p.m. Library Auditorium
Isabel Birritteri Rachel Gioffre Bella Jaramillo Scotty Minieri Emily Moutis Nicholas Savarese Emily Wynne Julianne Zmuda

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PRESENTATION SCHEDULE—WEDNESDAY, 4/17 AND THURSDAY, 4/18

WEDNESDAY, 4/17 - UC 168 A/B		
9:00 a.m.	Jules Fiorito	BU
9:15	Chelsie Bartoloni Carmine Coscia Gerard Deleu Gisele Rodriguez Matthew Shahinian Elena Vitkovskiy	BU
10:05-10:45	BREAK	
10:45	Brianna Martinez	HUM
11:00	Anna Segelken	CGSI
11:15	Jessica Momanyi	CGSI
11:30	Hailey Krajewski	CGSI
11:45	Laurel Ovbiye	CGSI
12:00	Bernard Belar	CGSI
12:15-1:00	BREAK	
1:00	Bryan Barbaran	CGSI
1:15	Callista Long	CGSI
1:30	Justina Saad	CGSI
1:45	Skylar Wazinski	CGSI
2:00	Viki Delaney	CGSI
2:15	Kourtney Scipio	CGSI
2:30	Nicole Kahwaty	CGSI

THURSDAY, 4/18 - UC 168 A/B		
9:15 a.m.	Billy Hennessy	SSH
9:30	Alexandra Bergen	SSH
9:45	Melanie Hernandez	SSH
10:00	Jennah Janouk	SSH
10:15	Emily Martinez	SSH
10:30	Nicole Visco	SSH
10:45	Claire Johnson	IND
11:00	Michaela Raguseo	IND
11:15-12:30	BREAK	
12:30	Bryan Menendez	BIO
12:45	Samantha Hulme	BIO
1:00	Tyler Sanchez	BIO
1:15	Laura Fruhauf de Macedo	BIO
1:30	Rafi Vernier Espinoza	BIO
1:45	BREAK	
2:00	Conor Borthwick	MUS
2:15	Scarlette Horvath	MUS
2:30	Viviana Kaszubski	MUS
2:45	Haleigh Longo	MUS
3:00	Mila Balella	MUS
3:15	Luca Colonna	MUS
3:30	Shanna Echeverry	MUS
3:45	Zoe Vandergast	MUS
4:00	Andy Takagi Rojas	MUS

— TRACK DIRECTORS —

Dr. Barbara Andrew Independent	Dr. K. Molly O'Donnell Humanities
Dr. Bruce Diamond Clinical Psychology & Neuropsychology	Dr. Joseph Spagna Biology
Dr. Amy Learmonth Cognitive Science	Dr. Marianne Sullivan Global Public Health
Dr. John Malindretos Business	Dr. Danielle Wallace Social Sciences
Dr. Tim Newman Music Interim	Dr. Martha Witt Performing & Literary Arts
Dr. Jill Nocella Nursing	

HONORS TRACK KEY

BIO	BIOLOGY
BU	BUSINESS
CGSI	COGNITIVE SCIENCE
CP	CLINICAL PSYCHOLOGY & NEUROPSYCHOLOGY
HUM	HUMANITIES
IND	INDEPENDENT
MUS	MUSIC
NUR	NURSING
PBHL	GLOBAL PUBLIC HEALTH
PLA	PERFORMING & LITERARY ARTS
SSH	SOCIAL SCIENCES



We recognize the late Dr. Lauren Fowler-Calisto for her commitment and dedication to the current and past students of the Music Honors Track. Dr. Fowler-Calisto served as the Music Track Director from fall 2018 until her death in December 2023.

ABOUT THE PRESENTERS...



JULIE ANN ALVAREZ

Honors Track: Clinical Psychology & Neuropsychology
Major: Psychology
Minor: Sociology
Thesis Title: *Understanding Cognitive Mechanisms in High-Functioning Alcoholics*
Thesis Advisor: Dr. Bruce Diamond



SAM AUBUCHON

Honors Track: Performing & Literary Arts
Major: Music (Jazz Wind, Mallet, Strings)
Thesis Title: *The Art of Trio Playing*
Thesis Advisors: Dr. Tim Newman and Dr. Martha Witt



MILA BALELLA

Honors Track: Music
Major: Music & Entertainment Industries (Classical)
Thesis Title: *Do fans expect musicians to be more than their job entails? Ethical responsibilities and expectations to speak on social concerns*
Thesis Advisors: Dr. Payton MacDonald and Dr. Tim Newman



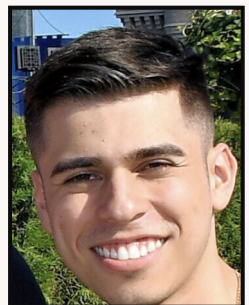
JAMES WALLACE BALLY

Honors Track: Performing & Literary Arts
Major: Music (Jazz Studies and Performance-Keyboards)
Minor: Piano Performance
Thesis Title: *Beauty in Oblivion: An Album of Original Music*
Thesis Advisors: Dr. Tim Newman



JUSTIN PALMER BAUTISTA BAMBICO

Honors Track: Global Public Health
Major: Biology (General)
Thesis Title: *Mental Health in New Jersey*
Thesis Advisor: Dr. Marianne Sullivan



BRYAN BARBARAN

Honors Track: Cognitive Science
Major: Psychology
Thesis Title: *Exploring Daily Reflections: An Investigation into the Impact of Personal Statements*
Thesis Advisors: Dr. Amy Learmonth



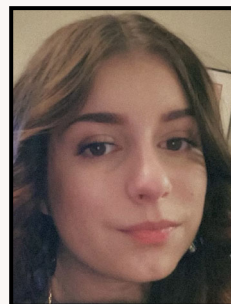
CHELSIE BARTOLONI

Honors Track: Business
Major: Digital Marketing
Thesis Title: *Business Analysis of a Chemical Tech Company*
Thesis Advisor: Dr. John Malindretos



BERNARD BELAR

Honors Track: Cognitive Science
Major: Criminology and Criminal Justice
Minor: Psychology
Thesis Title: *Police Interaction Effects on Attitudes Towards Police Among College Students*
Thesis Advisor: Dr. Amy Learmonth



ALEXANDRA BERGEN

Honors Track: Social Sciences
Major: Speech-Language Pathology
Minor: Psychology
Thesis Title: *Effects of Stuttering on Employment*
Thesis Advisor: Dr. Danielle Wallace



ISABEL BIRRITTERI

Honors Track: Performing & Literary Arts
Major: Communication (Media Production)
Minor: Journalism
Thesis Title: *Hard News*
Thesis Advisor: Dr. Martha Witt



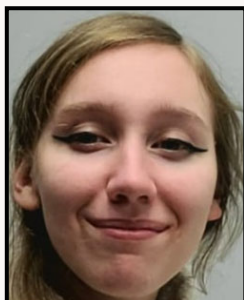
JESSICA BODEI

Honors Track: Global Public Health
Major: Communication (Public Relations)
Minors: Health Studies and Public Health
Thesis Title: *Online interventions to increase positive mental health among youth and young adults*
Thesis Advisor: Dr. Marianne Sullivan



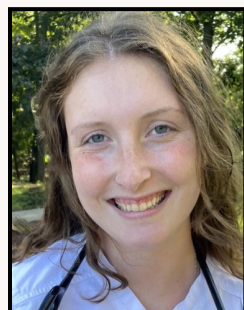
CONOR BORTHWICK

Honors Track: Music
Major: Music (Classical Sound Engineering)
Thesis Title: *Cultural and Political Factors Impacting the Creation and Perception of Hip-Hop in Various Regions Around the World*
Thesis Advisor: Dr. Tim Newman



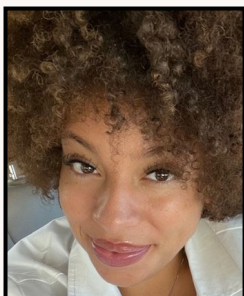
AMELIA BRUNDA

Honors Track: Clinical Psychology & Neuropsychology
Majors : Psychology and Art Studio
Thesis Title: *How Obsessive-Compulsive Disorders Drives Social Isolation*
Thesis Advisor: Dr. Bruce Diamond



BELLE CAPUTO

Honors Track: Nursing
Major: Nursing
Thesis Title: *How do Nursing Students in Psychiatric Clinical Rotations Perceive their Interactions with their Patients?*
Thesis Advisor: Dr. Jill Nocella



NATALIA CHAPARRO

Honors Track: Nursing
Major: Nursing
Thesis Title: *The Influence social Media has on Young Women Partaking in Cosmetic Procedures*
Thesis Advisor: Dr. Jill Nocella



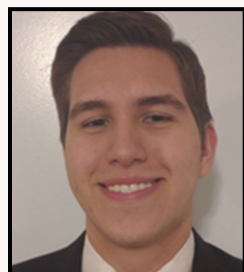
LUCA COLONNA

Honors Track: Music
Major: Music (Jazz Studies and Performance-Keyboard)
Thesis Title: *Avant-Garde Composition for Small Group*
Thesis Advisor: Dr. Tim Newman



CARMINE COSCIA

Honors Track: Business
Major: Finance Technology
Minor: Computer Information Systems
Thesis Title: *Business Analysis of a Chemical Tech Company*
Thesis Advisor: Dr. John Malindretos



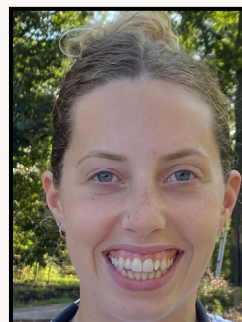
KEVIN CZERNY

Honors Track: Clinical Psychology & Neuropsychology
Major: Psychology
Thesis Title: *Self-control and its impact on academic performance in college students*
Thesis Advisor: Dr. Bruce Diamond



JESSICA DAVID

Honors Track: Social Sciences
Major: Political Science
Minor: Professional Sales
Thesis Title: *Beyond the Screen: Analyzing Attitudes Toward Stay-at-Home Parents in TikTok's User-Generated Content*
Thesis Advisor: Dr. Danielle Wallace



HALEY DEBONTA

Honors Track: Nursing
Major: Nursing
Thesis Title: *UREM Nursing Students' Perception of Barriers/Facilitators to Success in Nursing School*
Thesis Advisor: Dr. Jill Nocella



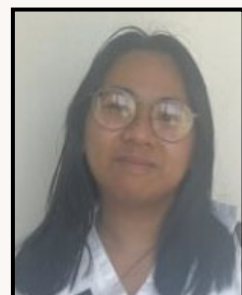
VIKI DELANEY

Honors Track: Cognitive Science
Major: Health Studies
Minor: Psychology
Thesis Title: *The Female Perspective*
Thesis Advisor: Dr. Amy Learmonth



JARED DELEU

Honors Track: Business
Major: Business
Thesis Title: *Business Analysis of a Chemical Tech Company*
Thesis Advisor: Dr. John Malindretos



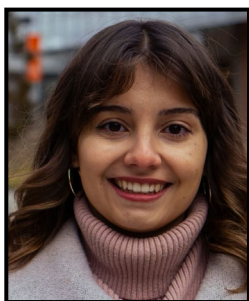
JEACAMILLE DOMINGO

Honors Track: Nursing
Major: Nursing
Thesis Title: *The Impact of the COVID-19 Pandemic on Nursing Educators' Teaching Outcomes*
Thesis Advisor: Dr. Jill Nocella



MARVELYN DUMAGUING

Honors Track: Nursing
Major: Nursing
Thesis Title: *Effectiveness of Cognitive Behavioral Therapy in Decreasing Opioid Analgesic Use in Adult Patients with Chronic Pain*
Thesis Advisor: Dr. Jill Nocella



SHANNA ECHEVERRY

Honors Track: Music

Major: Music (Instrumental K-12; Secondary Education)

Thesis Title: *Music Muscle Memory vs. Reading Sheet Music*

Thesis Advisors: Dr. Payton MacDonald and Dr. Tim Newman



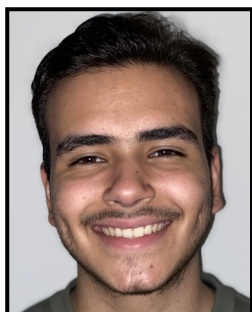
JULIA FIORITO

Honors Track: Business

Major: Marketing

Thesis Title: *Business Analysis of a Chemical Tech Company*

Thesis Advisors: Dr. Ashley Lee and Dr. John Malindretos



RAFAEL ANDRES ESPINOZA VERNIER

Honors Track: Biology

Major: Biology

Thesis Title: *Characterization of the 5' ends of Polyketide Synthase Transcripts in the Harmful Algal Bloom Species, Karenia brevis*

Thesis Advisors: Dr. Emily Monroe and Dr. Joseph Spagna



LAURA FRUHAUF DE MACEDO

Honors Track: Biology

Major: Biology (General)

Thesis Title: *Seasonal honeybee pollen foraging activity on invasive plant, Lythrum salicaria, in northern New Jersey*

Thesis Advisors: Dr. David Gilley and Dr. Joseph Spagna



ROCHELLE ESTRADA

Honors Track: Performing & Literary Arts

Major: Communication (Journalism)

Minor: Public Relations

Thesis Title: *Reading in a Flash: A Collection of Slice of Life and Coming of Age Flash Fiction Pieces*

Thesis Advisor: Dr. Martha Witt



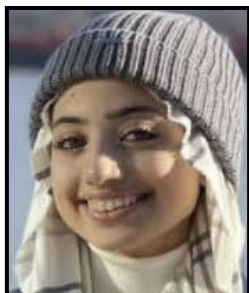
AURORA GERBESHI

Honors Track: Nursing

Major: Nursing

Thesis Title: *Workplace violence Against Nurses Through Various Lenses*

Thesis Advisor: Dr. Jill Nocella



ZAHRA'A FARDOS

Honors Track: Nursing

Major: Nursing

Thesis Title: *Nursing Students' Perception on Alcohol Consumption*

Thesis Advisor: Dr. Jill Nocella



RACHEL GIOFFRE

Honors Track: Performing & Literary Arts

Major: Art (Graphic and Interactive Design)

Thesis Title: *Art and Commerce: Graphic Design's Role in Elevating Small Business Identities*

Thesis Advisor: Dr. Martha Witt



JEFFREY FAY

Honors Track: Nursing

Major: Nursing

Thesis Title: *Mothers' Perceptions and Experiences Regarding Societal and Environmental Barriers to Breastfeeding: An Integrative Review of the Literature*

Thesis Advisor: Dr. Jill Nocella



KALIE GOMEZ

Honors Track: Global Public Health

Majors: Economics and Communication

Thesis Title: *Exploring the Intersection of Arts Organizations and Public Health in Passaic County*

Thesis Advisor: Dr. Marianne Sullivan



WILLIAM FIELDS

Honors Track: Nursing

Major: Nursing

Thesis Title: *Impact of Healthcare Providers' Predispositions Surrounding LGBTQ+ Patients*

Thesis Advisor: Dr. Jill Nocella



DANIEL MARK GOMOLKA

Honors Track: Performing & Literary Arts

Major: Music (Classical Sound Engineering)

Minor: Music and Entertainment Industry

Thesis Title: *The Creating of What's the Point EP*

Thesis Advisors: Dr. Tim Newman and Dr. Martha Witt



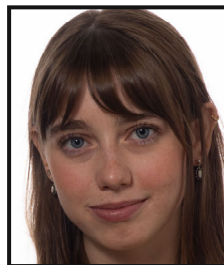
BILLY HENNESSY

Honors Track: Social Sciences

Major: Computer Science

Thesis Title: *Inappropriate Behaviors in Online Video Games*

Thesis Advisor: Dr. Danielle Wallace



CLAIRE JOHNSON

Honors Track: Independent

Major: Art (Photography)

Thesis Title: *Governors Island: Inside Out*

Thesis Advisor: Dr. Robin Schwartz and Dr. Barbara Andrew



MELANIE HERNANDEZ

Honors Track: Social Sciences

Majors: Criminology & Criminal Justice and Legal Studies

Thesis Title: *The Representation of Race, Ethnicity, Sex, and Gender of Lawyers on Television*

Thesis Advisor: Dr. Danielle Wallace



JORDYNN JONES

Honors Track: Clinical Psychology & Neuropsychology

Major: Psychology

Thesis Title: *Can Frequent Cannabis Consumption Lead to Depression?*

Thesis Advisor: Dr. Bruce Diamond



SCARLETTE HORVATH

Honors Track: Music

Major: Music (Performance-Voice)

Minor: Piano

Thesis Title: *Sex Sells: An Analyzation of Female Popular Music Artists and the Normalization of Sexual Lyrics*

Thesis Advisors: Dr. Carol Frierson-Campbell and Dr. Tim Newman



NICOLE KAHWATY

Honors Track: Cognitive Science

Majors: Elementary Education (ESL) and Psychology

Thesis Title: *Bilinguals Versus Monolinguals*

Thesis Advisor: Dr. Amy Learmonth



SAMANTHA HULME

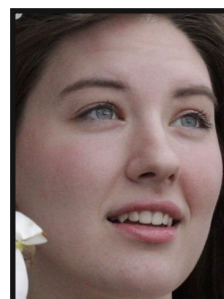
Honors Track: Biology

Major: Biotechnology

Minor: Psychology

Thesis Title: *Threshold of Genetic Relatedness Regarding the Determination of Species in Agelenopsis Arachnids*

Thesis Advisor: Dr. Joseph Spagna



VIVIANA KASZUBSKI

Honors Track: Music

Major: Music (Performance -Voice)

Thesis Title: *Repertoire and Race*

Thesis Advisor: Dr. Tim Newman



JENNAH JANOUK

Honors Track: Social Sciences

Major: English (Creative Writing)

Thesis Title: *Lived Experiences of Syrian Circassians Post 1930*

Thesis Advisor: Dr. Danielle Wallace



WENDY KIM

Honors Track: Nursing

Major: Nursing

Thesis Title: *The Effect of Fasting on Cognitive Function*

Thesis Advisor: Dr. Jill Nocella



BELLA JARAMILLO

Honors Track: Performing & Literary Arts

Major: English (Creative Writing)

Thesis Title: *The Dusk of Eternal Day*

Thesis Advisor: Dr. Martha Witt



HAILEY MARIE KRAJEWSKI

Honors Track: Cognitive Science

Major: Psychology

Minor: Art Studio

Thesis Title: *Emotion Words Have Color, Induced Emotions Do Not*

Thesis Advisor: Dr. Amy Learmonth



RICHARD LAROECH

Honors Track: Performing & Literary Arts

Major: Music (Jazz, Secondary Education)

Thesis Title: *Exploring the Art of Jazz Arranging: The "Three T's" for Crafting an Intriguing Learning Experience*

Thesis Advisors: Dr. Tim Newman and Dr. Martha Witt



ELANA LEPISHINA

Honors Track: Clinical Psychology & Neuropsychology

Major: Nursing

Minor: Psychology

Thesis Title: *Music Therapy for Cancer Patients*

Thesis Advisor: Dr. Bruce Diamond



CHRISTINA LEWIS

Honors Track: Nursing

Major: Nursing

Thesis Title: *Prenatal Anxiety and Depression and Their Impact on Childbirth Experiences and Neonatal Birth Outcomes: An Integrative Review*

Thesis Advisor: Dr. Jill Nocella



CALLISTA LONG

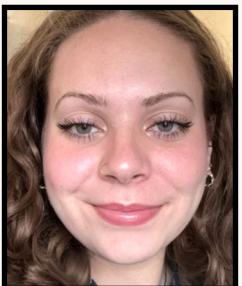
Honors Track: Cognitive Science

Major: Exercise Science

Minor: Disability Studies

Thesis Title: *Athlete Mental Health After Injury*

Thesis Advisor: Dr. Amy Learmonth



HALEIGH LONGO

Honors Track: Music

Major: Music (Performance -Voice)

Thesis Title: *Exploring How Perfect Pitch Affects the Development of Musicianship Skills*

Thesis Advisors: Dr. Carol Frierson-Campbell and Dr. Tim Newman



ABIGAIL MALANDRO

Honors Track: Cognitive Science

Major: Nursing

Minor: Psychology

Thesis Title: *Motivation of Nursing Students*

Thesis Advisor: Dr. Amy Learmonth



AMY ELIZABETH MARCUCILLI

Honors Track: Nursing

Major: Nursing

Thesis Title: *The Effects of Non-Fatal Opioid Overdose on the Body: An Integrative Review of the Literature*

Thesis Advisor: Dr. Jill Nocella



BRIANNA MARTINEZ

Honors Track: Humanities

Major: Communication (Media Studies)

Minors: Public Relations and Journalism

Thesis Title: *The Dangerous Truth: The Growing Threat to Journalists*

Thesis Advisor: Dr. K. Molly O'Donnell



EMILY MARTINEZ

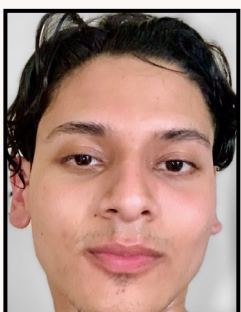
Honors Track: Social Sciences

Major: Political Science

Minors: Philosophy and Legal Studies

Thesis Title: *Gen Z Political Tolerance*

Thesis Advisors: Dr. Neil Kressel and Dr. Danielle Wallace



BRYAN MENENDEZ

Honors Track: Biology

Major: Biology (Pre-Med)

Thesis Title: *Characterization of the 5' ends of Nonribosomal Peptide Synthase Transcripts in the Harmful Algal Bloom Species, Karenia Brevis*

Thesis Advisors: Dr. Emily Monroe and Dr. Joseph Spagna



SCOTTY MINIERI

Honors Track: Performing & Literary Arts

Major: Communication (Media Production)

Thesis Title: *Fright and Subscribe*

Thesis Advisor: Dr. Martha Witt



JESSICA K. MOMANYI

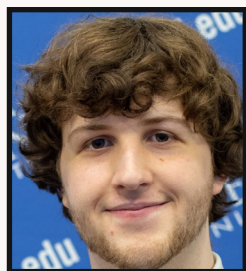
Honors Track: Cognitive Science

Major: Psychology

Minor: Music (Voice)

Thesis Title: *Effects of the COVID-19 Pandemic on University Music Students and Faculty*

Thesis Advisor: Dr. Amy Learmonth



DAVE J. MONTGOMERIE

Honors Track: Performing & Literary Arts

Majors: Music (Jazz Sound Engineering)

Thesis Title: *Otherworld Suite: Compositions of Atmospheric Music*

Thesis Advisors: Dr. Tim Newman and Dr. Martha Witt



EMILY MOUTIS

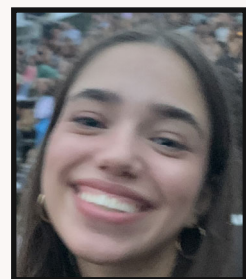
Honors Track: Performing & Literary Arts

Major: Communication (Media Production)

Minor: Public Relations

Thesis Title: *Sterling Heart*

Thesis Advisor: Dr. Martha Witt



ISABEL MUJIA

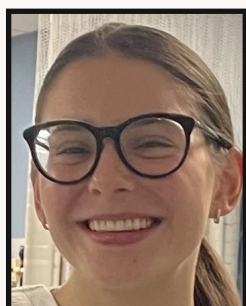
Honors Track: Nursing

Major: Nursing

Minor: Public Health

Thesis Title: *Does the Laboring Position Influence Birthing Outcomes in Second-Stage Laboring Women*

Thesis Advisor: Dr. Jill Nocella



LOUISE NASTASI

Honors Track: Nursing

Major: Nursing

Minor: Psychology

Thesis Title: *Evaluating the impact of hormone levels on autoimmunity development among women; An Integrative Review*

Thesis Advisor: Dr. Jill Nocella



ISABEL NEMETH

Honors Track: Global Public Health

Majors: Psychology and Public Health

Thesis Title: *Do interventions improve quality of life, resilience, and stress levels in parents of children with cancer?*

Thesis Advisor: Dr. Marianne Sullivan



EOIN O'MARA

Honors Track: Performing & Literary Arts

Majors: Music (Jazz Wind, Mallet, Strings)

Thesis Title: *Exploring Instrumentation Through Original Composition*

Thesis Advisors: Dr. Tim Newman and Dr. Martha Witt



RILEY OOSTDYK

Honors Track: Nursing

Major: Nursing

Thesis Title: *Improving the Outcomes of Infant Affected by Neonatal Abstinence Syndrome: An Integrative Review*

Thesis Advisor: Dr. Jill Nocella



LAUREL OVBIYE

Honors Track: Cognitive Science

Major: Computer Science

Thesis Title: *Culture Shock and Impressions about America Culture on International students*

Thesis Advisor: Dr. Amy Learmonth



GABRIELLA PEREZ

Honors Track: Clinical Psychology & Neuropsychology

Majors: Psychology and Criminology & Criminal Justice

Thesis Title: *Sensation Seeking, Impulsivity, Religion, Spirituality, and Substance Abuse Among College Students*

Thesis Advisor: Dr. Bruce Diamond



TODD PETTET

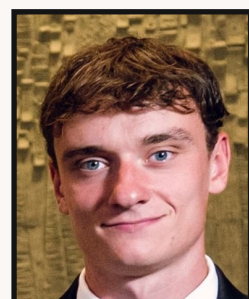
Honors Track: Performing & Literary Arts

Major: Communication (Public Relations)

Minor: Digital Music Creation (Arranging)

Thesis Title: *Moments in Sound*

Thesis Advisors: Dr. Tim Newman and Dr. Martha Witt



CHRISTOPHER PROL

Honors Track: Global Public Health

Major: Computer Science

Thesis Title: *Birds as Indicators of Human Health*

Thesis Advisor: Dr. Marianne Sullivan



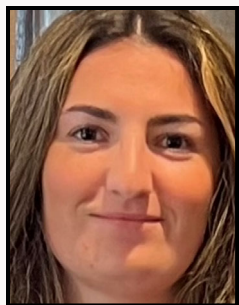
ALEXANDRA QUINTERO

Honors Track: Global Public Health

Majors: Public Health and Women and Gender Studies

Thesis Title: *Content Analysis of Breastfeeding Websites — Are the roles of co-parents addressed?*

Thesis Advisor: Dr. Marianne Sullivan



MICHAELA RAGUSEO

Honors Track: Independent

Major: Mathematics

Minor: Physics

Thesis Title: *Rube Goldberg Through History, Mechanics, and Education*

Thesis Advisors: Dr. Kevin Martus and Dr. Barbara Andrew



GISELE RODRIGUEZ

Honors Track: Business

Major: Human Resource Management

Thesis Title: *Business Analysis of a Chemical Tech Company*

Thesis Advisor: Dr. John Malindretos



VANESSA RUIZ

Honors Track: Nursing

Major: Nursing

Thesis Title: *An integrative review on the effects of maternity leave duration on maternal health and infant development during the infancy period*

Thesis Advisor: Dr. Jill Nocella



JUSTINA A. SAAD

Honors Track: Cognitive Science

Major: Speech-Language Pathology

Minor: Psychology

Thesis Title: *Parental Accessibility of Special Education and Autism Resources on Public School Websites*

Thesis Advisor: Dr. Amy Learmonth



TYLER SANCHEZ

Honors Track: Biology

Major: Biology (Pre-Med)

Thesis Title: *Assessing the role of the Sin3-Rpd3 HDAC complex on antifungal resistance in the fungal pathogen Candida glabrata*

Thesis Advisors: Dr. Kelley R. Healey and Dr. Joseph Spagna



CARLY S. SANTUCCI

Honors Track: Nursing

Major: Nursing

Thesis Title: *The Effects of Kangaroo Mother Care on Postpartum Hemorrhage: An Integrative Systematic Review*

Thesis Advisor: Dr. Jill Nocella



SABRIYAH SATTERFIELD-ALI

Honors Track: Global Public Health

Major: Health Science

Minors: Women & Gender Studies and Public Health

Thesis Title: *Healthcare, Artificial Intelligence, and the Issue of Bias*

Thesis Advisor: Dr. Marianne Sullivan



NICHOLAS NOLAN SAVARESE

Honors Track: Performing & Literary Arts

Majors: Psychology and Studio Art

Thesis Title: *Sinferno*

Thesis Advisor: Dr. Martha Witt



JULIA SCHWARTZ

Honors Track: Nursing

Major: Nursing

Thesis Title: *Promoting Effective Communication with Conscious Ventilated Patients in the ICU Setting*

Thesis Advisor: Dr. Jill Nocella



KOURTNEY SCIPIO

Honors Track: Cognitive Science

Major: Speech-Language Pathology

Minors: Psychology and Disability Studies

Thesis Title: *Understanding Speech: Is there a lack of knowledge and good communication skills when it comes to communicating with patients with aphasia in healthcare settings?*

Thesis Advisor: Dr. Amy Learmonth



ANNA SEGELKEN

Honors Track: Cognitive Science

Major: Speech-Language Pathology

Minors: Psychology and Linguistics

Thesis Title: *Influence of weekly book club participation on the reading abilities and enjoyment of aphasia clients*

Thesis Advisor: Dr. Amy Learmonth



MATTHEW E. SHAHINIAN

Honors Track: Business

Major: Management

Thesis Title: *Business Analysis of a Chemical Tech Company*

Thesis Advisor: Dr. John Malindretos



SAMANTHA SOLER

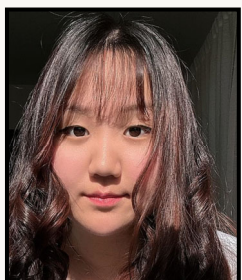
Honors Track: Clinical Psychology & Neuropsychology

Major: Biology

Minor: Psychology

Thesis Title: *Link Between Adverse Childhood Experiences and the Development of Murderers*

Thesis Advisor: Dr. Bruce Diamond



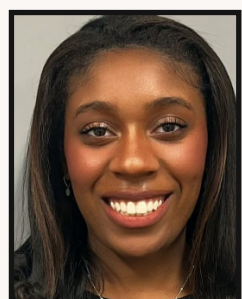
MINHEE SONG

Honors Track: Nursing

Major: Nursing

Thesis Title: *An Integrative Review on the Effectiveness of Non-Pharmacological Treatments and Nursing Interventions for Children with ADHD*

Thesis Advisor: Dr. Jill Nocella



ANNAROSE SPENCER

Honors Track: Nursing

Major: Nursing

Thesis Title: *Analysis on the Relationship Between Mental Health Status and Burnout Amongst Registered Nurses*

Thesis Advisor: Dr. Jill Nocella



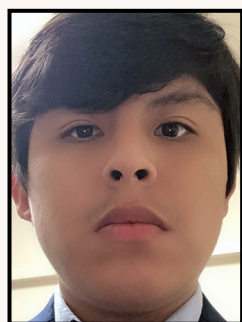
RAYAH SULEIMAN

Honors Track: Nursing

Major: Nursing

Thesis Title: *Understanding the importance of touch on premature infants: An Integrative Review*

Thesis Advisor: Dr. Jill Nocella



ANDY TAKAGI ROJAS

Honors Track: Music

Majors: Music (Popular Music) and English (Creative Writing)

Minor: Linguistics

Thesis Title: *The Role of Perfect Pitch in Language Acquisition and Language Development*

Thesis Advisors: Dr. Carol Frierson-Campbell and Dr. Tim Newman



ZOE KIM VANDERGAST

Honors Track: Music

Majors: Psychology and Musical Studies

Thesis Title: *The Incidence of Bilingualism alongside Music Aptitude*

Thesis Advisor: Dr. Tim Newman



BIANCA P. VARGAS

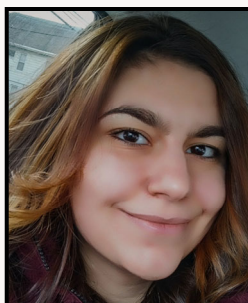
Honors Track: Clinical Psychology & Neuropsychology

Major: Nursing

Minor: Psychology

Thesis Title: *Exploring Disparities in Healthcare Quality of First-generation Hispanic Americans: A Literature Review*

Thesis Advisor: Dr. Bruce Diamond



NICOLE VISCO

Honors Track: Social Sciences

Majors: Psychology and Community Development & Social Justice

Thesis Title: *Exploring Student Motivation: A Qualitative Analysis of Students' and Teachers' Experiences in K-12 Education*

Thesis Advisor: Dr. Danielle Wallace



ELENA VITKOVSKIY

Honors Track: Business

Major: Finance

Thesis Title: *Business Analysis of a Chemical Tech Company*

Thesis Advisor: Dr. John Malindretos



VIENNE THAO-AN VOYSEY

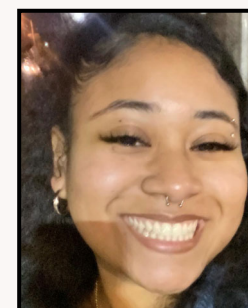
Honors Track: Performing & Literary Arts

Major: Music (Popular Music)

Minor: Asian Studies

Thesis Title: *ID: A Concept EP on Personal Identity*

Thesis Advisor: Dr. Tim Newman and Dr. Martha Witt



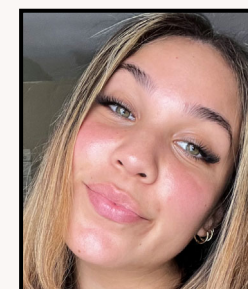
SHANA'E WALKER

Honors Track: Clinical Psychology & Neuropsychology

Major: Psychology

Thesis Title: *The Psychological Effects of Dating Apps on Emerging Adults*

Thesis Advisor: Dr. Bruce Diamond



SKYLAR WAZINSKI

Honors Track: Cognitive Science

Majors: Speech-Language Pathology

Minor: Psychology

Thesis Title: *Motivations of Undergraduate Speech-Language Pathology Students*

Thesis Advisor: Dr. Amy Learmonth

**HALEY WEINBERGER**

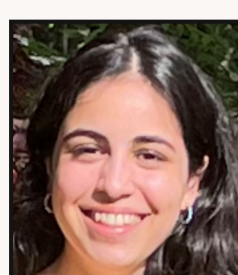
Honors Track: Clinical Psychology & Neuropsychology
Major: Psychology
Minor: Communication Disorders
Thesis Title: *The Effects COVID-19 had on Children with Autism Spectrum Disorders*
Thesis Advisor: Dr. Bruce Diamond

**JOHANN YOROBE**

Honors Track: Performing & Literary Arts
Major: Music (Classical Sound Engineering)
Thesis Title: *In the Studio: Capturing the Magic of Collaborative Music*
Thesis Advisors: Dr. Timothy Newman and Dr. Martha Witt

**EMILY WYNNE**

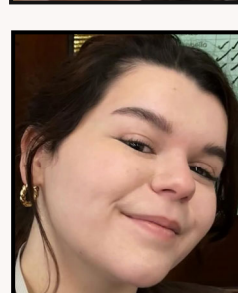
Honors Track: Performing & Literary Arts
Major: English (Literature)
Minor: Creative Writing
Thesis Title: *To Build a World: Crafting a Diverse Young Adult Novel*
Thesis Advisor: Dr. Martha Witt

**HELEN YOUSAF**

Honors Track: Global Public Health
Major: Medicinal Biochemistry
Minor: Public Health
Thesis Title: *Closed Captioning: Culturally Competent and Linguistically Concordant Healthcare*
Thesis Advisor: Dr. Marianne Sullivan

**DIDAR MOHAMMED YAHIA**

Honors Track: Global Public Health
Major: Biology
Minor: Public Health
Thesis Title: *Comprehensiveness, Inclusivity, and Accessibility of U.S. State Newborn Screening Public Health Websites*
Thesis Advisor: Dr. Marianne Sullivan

**JULIANNE ZMUDA**

Honors Track: Performing & Literary Arts
Majors: Elementary Education and Political Science
Thesis Title: *The Summer of Souls: A Novel*
Thesis Advisor: Dr. Martha Witt

William Paterson University Honors College

Barbara Andrew
Dean

Jan Pinkston
Associate Director

Amy Learmonth
Dean's Fellow

Nicole Joachim
Graduate Assistant

Madison Knueppel
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Peer Leader

Emily Martinez
Office Intern

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Office Intern

Anna Segelken
Peer Leader

Owen Walter
Peer Leader

Helen Yousaf
Office Intern
Peer Leader

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UNIVERSITY HONORS COLLEGE

Raubinger 207
300 Pompton Road
Wayne, New Jersey
honors@wpunj.edu

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Honors Research Day 2024



HONORS RESEARCH WEEK 2024

Presentation Abstracts

— Listed alphabetically by last name —

Alvarez, Julie Ann

Understanding Cognitive Mechanisms in High-Functioning Alcoholics

High-functioning alcoholics (HFAs) share the same underlying alcohol use disorder (AUD) as the stereotypical “skid-row” alcoholic, yet this subgroup often goes unnoticed due to their ability to maintain an appearance of normalcy. This thesis paper explores the unique profiles of HFAs, individuals adept at concealing their AUD while maintaining outward functionality. It investigates the cognitive mechanisms of denial, rationalization, and minimization employed by HFAs to downplay their addiction and the thesis will also examine the psychological factors contributing to denial, such as personality traits, societal influences, and cultural factors. By shedding light on the intricate cognitive processes that are common among HFAs, review of the literature aims to advance awareness of this overlooked subgroup, reduce stigma associated with AUDs, assess practical implications for treatment strategies, and enhance empathy towards high-functioning individuals grappling with alcoholism.

Aubuchon, Samuel

The Art of Trio Playing

Pianist Ahmad Jamal (1930-2023) along with bassist Israel Crosby and drummer Vernel Fournier made up one of the most inspirational piano trios in jazz, creating a new sound and style that has influenced many musicians up to the present day. For this project I delve into the trio’s style of playing in order to learn and understand their process for creating trio arrangements. Based on an analysis on their style and concepts used in specific songs, I imitate their process of creating arrangements in that style with my own jazz trio. Through this project I am learning more about the intricacies of the Ahmad Jamal trio and each of the musician’s individual style. This group is a major influence on my playing. Analyzing and learning their style and using it in my music has helped me find my musical voice.

Balella, Mila

Do fans expect musicians to be more than their job entails? Ethical responsibilities and expectations to speak on social concerns

Social media platforms continue to make a large impact on the music industry. Musicians with social media platforms with a large following must learn what is expected of them because this helps create a safe community within their fanbase. This paper explores societal and ethical expectations of successful musicians in the music industry. Social media is the main focus, but the paper also looks at what fans expect in other situations as well. Expectations may cause difficulty in deciding what to post and when it is appropriate to post. Any post must be as socially acceptable as possible and show social responsibility. The research exposes the complex relationship between fans and musicians. Musicians should be aware of this relationship and how their behavior affects it.

Bally, James Wallace

Beauty in Oblivion: An Album of Original Music

Beauty in Oblivion is an album of original music for jazz piano trio. In it, I explore the dark, gritty, and bizarre sounds present in the musical language of black American composers and improvisers of the past 100 years. This album brings to the piano trio tradition new compositions which honor the great musicians of the past with a forward-looking attitude. Wayne Shorter, Duke Ellington, Bud Powell, Thelonious Monk, McCoy Tyner, and many others who provided inspiration compositionally, conceptually, and with their improvising. This album probes the often-avoided dark side of our humanity to see the beauty in the unknown and the grotesque. Compositions “Blueschild” and “Marathon” are inspired by classic forms like the blues and jazz standards, while the other tunes are original forms and melodies more loosely inspired by my favorite composers. This recording will be released and used as a demo; I plan to make more recordings of future original compositions.

Bambico, Justin Palmer Bautista

Mental Health in New Jersey

The prevalence of mental health conditions in the United States has reached significant proportions, affecting millions of individuals across diverse demographic groups. From anxiety and depression to more severe disorders, the spectrum of mental health challenges underscores the need for a comprehensive understanding of the factors contributing to their emergence and perpetuation. Moreover, when looking at the mental health situation in New Jersey, it has been seen to have evolved in such a way that suicide is the third leading cause of death for individuals aged 10-24 and the fourth leading cause of death for individuals aged 25-34. With such a staggering statistic looming over a population of nearly 9 million, it is important for public health officials to understand the factors that are contributing to this issue. The purpose of this quantitative epidemiological study is to analyze and compare the mental health trends in Essex County, Passaic County, and the state of New Jersey.

Barbaran, Bryan

Exploring Daily Reflections: An Investigation into the Impact of Personal Statements

This study explored the impact of positive self-affirmation on self-esteem. Participants' baseline self-esteem was assessed. Self-affirmation was induced by participants typing 5 positive statements about themselves. Controls included 5 positive statements about someone else and 5 statements about the participant's daily routine. The post-test measured state self-esteem. Results found no differences in self-esteem before the manipulation and no significant differences after the manipulation. Although there was slightly higher self-esteem in the self-affirmation group than the daily events control, with the positive statements about others in between, the difference was not significant.

Bartoloni, Chelsie

Business Analysis of a Chemical Tech Company

The purpose of this business practicum is to develop a thorough business plan for CA\$TOK by creating strategies in key areas, such as management, marketing, and finance. CA\$TOK is a start-up Business-to-Business (B2B) company in the chemical industry, providing an online platform that connects sellers and buyers to sell chemical by-products and facilitates professional interactions through a user-friendly interface. We began with various strategic analyses to evaluate CA\$TOK, its competition, and its financial health. We then conducted detailed management, marketing, and finance analyses, allowing for informed decision-making and strategic development. We further identified several critical risk factors of our suggested strategies. Finally, to mitigate these risk factors and build competitive advantages for CA\$TOK, we propose several actionable strategies, including hiring salespeople, building digital marketing efforts, and refining financial projections. We anticipate our recommendations will help CA\$TOK for growth and sustained success in the chemical industry.

Belar, Bernard

Police Interaction Effects on Attitudes Towards Police Among College Students

For the past couple decades, police departments around the nation have experienced heavy backlash and controversy from the public. These feelings of uncertainty are the result of the actions and choices of police officers that the public deem racist, sexist, and/or some other reason of discrimination. The current study explored the effects that interactions with police will have on attitudes towards police among college students. Other important factors such as race, gender, and socioeconomic status were studied to have a better understanding of the experiences and interactions that participants have with police officers. Analysis has shown that negative experiences with police affect attitudes towards police. Participants who have had

negative interactions with police have less favorable attitudes towards police than those who have not had any negative interactions with police. More data is currently being analyzed with a larger sample.

Bergen, Alexandra

Effects of Stuttering on Employment

Studies have indicated that individuals with disabilities may experience discrimination and low self-confidence. Stuttering is classified as a communication disorder in which individuals' speech fluency is disrupted (Perez, 2016).

Unfortunately, those who have disabilities and communication disorders have an increased chance of job discrimination. A review of the literature suggests an inverse relationship between the severity of stuttering and job performance and self-satisfaction due to the stigmatization of people with stutters (PWS) by employers and co-workers. This study seeks to understand hiring managers' attitudes toward PWS to better understand the implications this group may face. Quantitative survey data was collected by utilizing a sample of undergraduate students posing as hiring managers. Participants were asked to answer survey questions about their perceptions toward PWS. Data from the study will help gain an understanding of potential discrimination PWS may face within a professional environment in regards to both hiring and employment which can open the door for inclusive solutions.

Birritteri, Isabel

Hard News

Hard News is a satirical newscast that explores sexism in conservative and liberal circles. Christy Klaudia is the female anchor of the conservative, Wolf and Friends, joined by Fred Harrington and Calvin Clark. Christy's conservative values and high-level position at Wolf News expose the hypocrisy in her views. Her self-worth is derived from how the men in her life value her. The three anchors share the same political views, but Christy will never be

as respected as her male coworkers. Erica Rodriguez is the female anchor of Morning Brew, joined by Larry Kozinsky and David Schmidt. Erica is a strong, prideful woman. While Larry and David are liberals and feminists, they repeatedly interrupt Erica and shoot down her discussion points as if what they have to say is more important than her perspective on a woman's issue. Hard News portrays the everyday sexism in the workplace in different political circles.

Bodei, Jessica

Online interventions to increase positive mental health among youth and young adults

Youth mental health is a growing concern due to social media usage and adolescents spending significant time online. Given this, online platforms present promising opportunities for hosting mental health interventions aimed at youth. This research provides an overview of existing literature relating to online mental health interventions to minimize the negative effects on youth mental health. This research uses a scoping literature review. Medline was searched using relevant keywords "social media," "mental health," "interventions," and "programs." The final sample of articles was selected based on predetermined inclusion and exclusion criteria. The data extracted from these articles identifies focal populations, main topics and concepts, types of intervention approaches, and the outcomes of interventions. This presentation will address the focus of interventions concentrated on youth mental health and lessons learned. Intervention results will be summarized to understand the effectiveness of approaches for promoting positive mental health outcomes among youth.

Borthwick, Conor

Cultural and Political Factors Impacting the Creation and Perception of Hip-Hop in Various Regions Around the World

This project provides a close look into the international diffusion of hip-hop and examines its development in

select regions and nations around the world. The presentation highlights different examples of non-American hip-hop, explores why it is topical within its given region, and analyzes and reveals sonic similarities and differences. The societal impacts of the evolving genre prove to be both problematic and beneficial, depending on the circumstances within each respective region or nation. Based on the political and social climate within each of these regions, within their native region. Key regions pioneering this diffusion of the genre, such as Asia, the Middle East, and Latin America each draw influence from the popularized values of Western civilization and standard American Hip-Hop music. Blending these customs with their own can have both adverse and productive cultural effects.

Brunda, Mel

How Obsessive-Compulsive Disorders Drives Social Isolation

This project aims to find out if a collectivist or individualist mindset influences teamwork in online video games. Going further, it is to see which mindset is better utilized in achieving an end goal. The hypothesis is that individuals playing video games on public servers in the East (Russia, China) will demonstrate more frequent teamwork to achieve a designated end goal than individuals playing video games on public servers in the West (United States, Germany) due to their collectivist cultures. This will be an observational study; information will be collected via joining country-specific servers that are already in progress and are open to the public (for both participation and observation). It is anticipated that the frequency of teamwork will be greater on public servers located in the East than in the West and, thus, it is also anticipated that a collectivist mindset is better utilized in achieving an end goal.

Caputo, Belle

How do Nursing Students in Psychiatric Clinical Rotations Perceive their Interactions with their Patients?

This study entailed a quantitative survey that assessed William Paterson University students' perceptions of psychiatric clinical rotations. The sample includes 19 William Paterson University students who completed their five week psychiatric clinical rotation. Data was collected through an anonymous Qualtrics quantitative survey using the MICA-4 survey and scale, which was documented into SPSS. Using a Likert scale, the average MICA-4 score was 56, with the lowest score being 49 and the highest score being 72. With a higher score indicating a higher bias, the study's findings reveal that many William Paterson University students have potential biases towards the psychiatric patients and the field. The study's findings have potential to enlighten William Paterson nursing students, as well as other nursing students, about the biases they may hold towards psychiatric patients.

Chaparro, Natalia

The Influence social Media has on Young Women Partaking in Cosmetic Procedures

Cosmetic procedures give patients the option to change their body, face, or both to achieve a more desirable image. Given that new beauty trends are becoming increasingly popular with time, the idea that young women are investing in these enhancements can be contentious. This integrative review examined the available research on the correlation between disturbed body image and the influence of cosmetic procedures. A search of the research was performed by following the PRISMA framework and using the CINAHL database. The eligibility criteria included years 2015 through 2023, English language, peer reviewed, and systematic reviews. The keywords used to find the research articles consisted of young women, cosmetic procedures, plastic surgery, social media, disturbed body image, and aesthetic procedures. The analysis of the study examined if social

media influences young women to partake in getting cosmetic enhancements. The research study concluded that social media has a strong impact on young women, making them willing to indulge in cosmetic procedures.

Colonna, Luca

Avant-Garde Composition for Small Group

My thesis will focus on the compositional and improvisational styles of Ornette Coleman, Albert Ayler, and Jason Moran. Through a series of compositions, aspects of these composers' styles are combined with the Second Viennese School concept of the twelve-tone row and the harmonic textures of Maurice Ravel, creating a combination of these different musical worlds as one. The first two compositions reflect the structure and melodic style of Coleman and Ayler respectively, while incorporating a 12-tone row in the melody. The third composition combines the compositional style of Ravel and the playing style of Moran and his trio. With this thesis I also explore the ideas within free improvisation presented by the three models I have chosen, and aim to continue to incorporate them into my own writing and playing going forward.

Coscia, Carmine

Business Analysis of a Chemical Tech Company

The purpose of this business practicum is to develop a thorough business plan for CA\$TOK by creating strategies in key areas, such as management, marketing, and finance. CA\$TOK is a start-up Business-to-Business (B2B) company in the chemical industry, providing an online platform that connects sellers and buyers to sell chemical by-products and facilitates professional interactions through a user-friendly interface. We began with various strategic analyses to evaluate CA\$TOK, its competition, and its financial health. We then conducted detailed management, marketing, and finance analyses, allowing for informed decision-making and strategic development. We further identified several critical risk factors of our suggested strategies. Finally, to mitigate these risk factors and build competitive advantages for CA\$TOK, we propose several

actionable strategies, including hiring salespeople, building digital marketing efforts, and refining financial projections. We anticipate our recommendations will help CA\$TOK for growth and sustained success in the chemical industry.

Czerny, Kevin

Self-control and its impact on academic performance in college students

Previous research has demonstrated that self-control in childhood through adolescence can offer large advantages in academic success independent of cognitive ability. This is generally believed to be in part due to the impact of self-control on a student's ability to delay fun activities and focus their attention on less enjoyable behaviors like studying and completing homework. This paper seeks to replicate previous findings of the positive impact of self-control on college students' academic success. This study investigated the correlation between self-control and self-reported GPA in a cohort of 60 undergraduate students enrolled at a regional state university. The findings revealed a significant positive relationship between self-control and self-reported GPA. This result has implications on how self-control positively impacts academic achievement, this may suggest that interventions focused on improving student self-control may lead to improved academic performance in students with low self-control.

David, Jessica

Beyond the Screen: Analyzing Attitudes Toward Stay-at-Home Parents in TikTok's User-Generated Content

Over the last few decades, a shift in statistics has shown an increase in fathers opting to take on the role of the primary caregiver for their children, while their spouses tackle the responsibility of being the family breadwinner. This study aims to investigate the attitudes and perceptions towards stay-at-home parents in user-generated content on TikTok, focusing on the comparison between stay-at-home mothers and stay-at-home fathers. More specifically, this study seeks to test the hypothesis that stay-at-home fathers receive

proposed rationale stems from the influence of Western society's patriarchal societal structure, where the involvement of men in what is traditionally perceived as "women's work" is often viewed as heroic. By investigating this topic, this research hopes to provide present-day information on evolving societal attitudes, as well as help

DeBonta, Haley

UREM Nursing Students' Perception of Barriers/Facilitators to Success in Nursing School

The nursing workforce lacks representation in relation to the diversifying U.S. population. Literature suggests that diverse nursing student success is affected by multidimensional factors. This study utilizes a qualitative method strategy to determine perceptions of Underrepresented Ethnic Minority (UREM) nursing students towards facilitators/barriers of success in nursing school. Responses were collected using a semi-structured, self-administered questionnaire followed by a demographics survey. The targeted sample included nursing students aged 18-26 years old who self-identified as Black/African American, Hispanic/Latino, or American Indian. Study findings reveal that multidimensional factors associated with Jeffreys's Nursing Universal Retention & Success (NURS) model affect the perception of nursing student success as a general population. There were no outlying responses or significance in identifying facilitators/barriers to success specifically associated with the UREM nursing student population. The findings are significant to implement solutions that will improve the experiences of nursing students as a general body, thus reducing attrition rates.

Delaney, Viki

The Female Perspective

This study explored how gendered healthcare experiences changed women's perceptions of healthcare professionals. Participants completed a survey including questions about personal healthcare experiences such as a doctor misunderstanding or not believing their symptoms. Initial analysis indicated although women experience

misinterpreted or ignored symptoms about half the time, they do not generally believe their gender impacted their doctor's perspective of their symptoms and they do not have altered perceptions of medical professionals following those experiences.

Deleu, Jared

Business Analysis of a Chemical Tech Company

The purpose of this business practicum is to develop a connects sellers and buyers to sell chemical by-products thorough business plan for CA\$TOK by creating strategies in key areas, such as management, marketing, and finance. CA\$TOK is a start-up Business-to-Business (B2B) company in the chemical industry, providing an online platform that and facilitates professional interactions through a user-friendly interface. We began with various strategic analyses to evaluate CA\$TOK, its competition, and its financial health. We then conducted detailed management, marketing, and finance analyses, allowing for informed decision-making and strategic development. We further identified several critical risk factors of our suggested strategies. Finally, to mitigate these risk factors and build competitive advantages for CA\$TOK, we propose several actionable strategies, including hiring salespeople, building digital marketing efforts, and refining financial projections. We anticipate our recommendations will help CA\$TOK for growth and sustained success in the chemical industry.

Domingo, Jeacamille

The Impact of the COVID-19 Pandemic on Nursing Educators' Teaching Outcomes

As COVID-19 heavily impacted multiple structures of society, nursing education in particular became attuned to the implementation of online learning. As a result, nursing educators had to transition from traditional teaching in the classroom to implementing teaching strategies to effectively teach nursing students online. This study sought to explore if nursing educators indicated a difference in quality of education for these

future nurses. Data was collected by utilizing the Impact of COVID-19 on Nursing Educators survey which involved using the Perception of Online Learning Scale (POOLS) (Padget et al., 2022). This study accentuates the importance of promoting awareness regarding the effectiveness of online teaching through the perspective of nurse educators.

Dumaguing, Marvelyn

Effectiveness of Cognitive Behavioral Therapy in Decreasing Opioid Analgesic Use in Adult Patients with Chronic Pain

Chronic pain is defined as physical discomfort that persists beyond three months. Chronic pain can interfere with activities of daily living and can be due to different causes such as arthritis, injury, and cancer. Opioid analgesics are a common treatment to address chronic pain. However, long-term usage of opioids increases risk for opioid abuse. Cognitive behavioral therapy (CBT) is a type of talk therapy that helps patients reframe negative thoughts and behaviors. Previous studies have shown that patients are able to cope with pain more effectively as a result of CBT. This integrative review examined the current literature on the effectiveness of CBT in adult patients with chronic pain in terms of preventing opioid abuse. Utilizing PRISMA guidelines, a literature search was done using eligibility criteria of studies written between 2010-2024. The findings showed that CBT was effective for decreasing opioid usage, increasing pain tolerance and improving emotional well-being.

Echeverry, Shanna

Music Muscle Memory vs. Reading Sheet Music

The project aims to aid educators, conductors, and musicians in determining the ideal use of sheet music versus muscle memory during musical performances. In contemporary practice, musicians often rely on sheet music to prevent errors, yet during performances, pianists commonly memorize entire concertos. This study investigates disparities between reliance on sheet music and the muscle memory developed through repetitive practice. Additionally, it examines how a

performer's stage presence and body language can influence audiences, aiming to strategize their optimal deployment. Through a comparative analysis at the professional level, the research intends to guide aspiring musicians in discerning the most effective technique for different contexts.

Espinoza Vernier, Rafael Andres

Characterization of the 5' ends of Polyketide Synthase Transcripts in the Harmful Algal Bloom Species, Karenia brevis

The dinoflagellate *Karenia brevis* causes red tides containing brevetoxins that lead to death of marine life and health complications in humans. Understanding brevetoxin biosynthesis can help predict bloom toxicity and mitigate harmful effects in the future. Brevetoxins are made by polyketide synthase (PKS) enzymes. PKS genes have been characterized in *K. brevis* that contain single catalytic domains and a spliced leader (SL) sequence suggesting they are regulated post-transcriptionally. However, the SL sequence was not identified on any of the PKS transcripts. This study will identify the presence of the spliced leader sequence on the 5' end of two newly identified PKS transcripts in *K. brevis* to determine if these new sequences are regulated similarly. 5' RACE, TOPO cloning, transformation, and sequencing will be performed on two PKS contigs 81604 and 54805. Sequences will be analyzed for SL sequence. This work will increase understanding of gene regulation of toxin-related sequences.

Estrada, Rochelle

Reading in a Flash: A Collection of Slice of Life and Coming of Age Flash Fiction Pieces

Reading in a Flash is a collection of original slice-of-life and coming-of-age flash fiction pieces. Each story explores the experiences that children and young adolescents encounter as they grow up and embrace the world they live in. The themes addressed in Reading in a Flash, including marriage and fulfilling expectations, should also appeal to young adults. From first friends

to peer pressure, family dynamics, and romantic attraction, Reading in a Flash is meant to bring all readers through a moment in time that is relatable and impactful. Each story, fewer than 1500 words, is matched with an audio piece made to immerse and engage listeners with sound effects, music, and different voices. Every piece is meant to give the audience a burst of storytelling in less than five minutes and leave them wanting more with every story.

Fardos, Zahra'a

Nursing Students' Perception on Alcohol Consumption

This study delves into how parental and peer influences affect alcohol-related attitudes and behaviors among nursing students at William Paterson University. Drawing from Albert Bandura's Social Learning Theory, it examines how modeling, reinforcement, and observational learning impact students' alcohol consumption and attitudes. Using data from 106 undergraduate nursing students and the Drinking Behavior and Perceptions Questionnaire, significant correlations were found between parental and peer alcohol use and students' alcohol refusal efficacy ($q = -.282, p = .003$) ($q = -.252, p = .009$), as well as between positive outcome expectations of alcohol and parental attitudes and peer encouragement. However, parental and peer attitudes showed no correlation with negative outcome expectations. While shedding light on these dynamics, limitations such as a single-university sample and self-report measures call for future research to replicate findings with more diverse samples and robust measures for enhanced reliability and validity.

Fay, Jeffrey

Mothers' Perceptions and Experiences Regarding Societal and Environmental Barriers to Breastfeeding: An Integrative Review of the Literature

Breastfeeding is the most beneficial feeding method for a newborn, due to the high nutritional content of breastmilk. Mothers who breastfeed are susceptible to encountering societal and environmental barriers that inhibit their ability

to do so. This integrative review examined the current available literature and research regarding mothers' perceptions and experiences with these barriers. The review was conducted in accordance with PRISMA guidelines, and utilized the CINAHL (Cumulative Index to Nursing and Allied Health) and MEDLINE/PubMed databases. Eligibility criteria included peer-reviewed articles published in English between March 2005 and December 2022. Quantitative, qualitative, mixed methods, longitudinal cohort studies, as well as systematic reviews were permitted. The review found that women experience issues with availability and quality of lactation rooms, and are subject to insufficient workplace policies, a lack of social support from friends and family, oversexualization of breasts in public, as well as institutionalized racism.

Fields, Will

Impact of Healthcare Providers' Predispositions Surrounding LGBTQ+ Patients

Health disparities surrounding LGBTQ+ patients are related to predispositions that healthcare workers have. This negatively affects patient care delivery. This mixed methods study examined William Paterson University students' thoughts about the treatment they receive from healthcare professionals and allow them to voice their experiences. Participants had to be students who attended William Paterson University 18 years or older with LGBTQ+ identity not necessary but encouraged. Qualitative and quantitative data was collected via Qualtrics survey, and SPSS was used to identify data trends. Study findings showed that the quantitative data was statistically insignificant due to lack of responses, however qualitative responses indicated significance. The findings of the study will bring awareness related to experiences of university students when collaborating with healthcare workers. The results also assist healthcare providers recognize the importance of cultural competence when delivering care to LGBTQ+ patients.

Fiorito, Julia

Business Analysis of a Chemical Tech Company

The purpose of this business practicum is to develop a thorough business plan for CA\$TOK by creating strategies in key areas, such as management, marketing, and finance. CA\$TOK is a start-up Business-to-Business (B2B) company in the chemical industry, providing an online platform that connects sellers and buyers to sell chemical by-products and facilitates professional interactions through a user-friendly interface. We began with various strategic analyses to evaluate CA\$TOK, its competition, and its financial health. We then conducted detailed management, marketing, and finance analyses, allowing for informed decision-making and strategic development. We further identified several critical risk factors of our suggested strategies. Finally, to mitigate these risk factors and build competitive advantages for CA\$TOK, we propose several actionable strategies, including hiring salespeople, building digital marketing efforts, and refining financial projections. We anticipate our recommendations will help CA\$TOK for growth and sustained success in the chemical industry.

Fruhauf De Macedo, Laura

*Seasonal honeybee pollen foraging activity on invasive plant, *Lythrum salicaria*, in northern New Jersey*

Honeybees play a critical role in ecosystem health, with bee foraging behavior being particularly sensitive to environmental stressors like climate change and invasive species. This research project explores honeybee pollen collection of the invasive species *Lythrum salicaria* commonly known as purple loosestrife. Specifically, the objectives are to analyze the collected pollen throughout the 2023 season, and compare it to 2018, in abundance and timing of peak collections dates. The methodology was to harvest pollen from honeybee colonies and quantify loosestrife pollen grains using hemocytometry. The findings indicated that *L. salicaria* collection peak dates were between the week of nineteenth of June for both years, and that the maximum relative abundance reaching approximately 12.5% of harvest in 2023, double the amount from 2018. These

observations suggest that climate change has not disrupted the timing of loosestrife pollen availability but may have increased loosestrife abundance or altered bee nutritional preferences.

Gerbeshi, Aurora

Workplace violence Against Nurses Through Various Lenses

Workplace violence (WPV) against nurses is a prevalent issue in the United States and worldwide. Workplace violence against nurses can occur anywhere from emergency rooms to psychiatric units. This integrative review examined current available research on how workplace violence affects the mental health of nurses and the quality of patient care. The PRISMA guide was used to guide the data collection of articles from PubMed and Google Scholar. The studies were screened for eligibility by including workplace violence against nurses and whether the study included the mental health of nurses or the quality of patient care. If the source focused on WPV and examined one of the aforementioned variables, then the study was included in a table of evidence. The findings revealed that WPV can harm the mental health of nurses causing anxiety, PTSD, and depression which can worsen the quality of care provided.

Gioffre, Rachel

Art and Commerce: Graphic Design's Role in Elevating Small Business Identities

Art and Commerce: Graphic Design's Role in Elevating Small Business Identities is a behind-the-scenes look at small business marketing. Exploring the relationship between art and communication, this project offers insights into the many roles and responsibilities assumed by small business owners. My close friend, Ally Trapanis, invited me to become the designer, photographer, copywriter, and marketer of her crochet shop on Etsy. Art is often an intuitive process, but through the research for this project,

I aim to better understand the rhetorical nature of graphic design and marketing; each content and design decision was made to attract the intended audience of fellow craft enthusiasts. Through the use of color, typography, and other design elements, this visual identity captures the warmth and personal touch of my friend's small business. Art and Commerce is a reflection of my admiration for Ally's Crocheted Corner and all small business owners who truly do it all.

Gomez, Kalie

Exploring the Intersection of Arts Organizations and Public Health in Passaic County

The purpose of this study is to understand if Executive Directors of influential arts organizations in Passaic County, NJ, see a role for their organization in impacting the health of the local community. The research is informed by a literature review on the impact that arts have on individual and community health and well-being, mental health, social cohesion, and the economic vitality of a community. The methodology involves semi-structured interviews with Executive Directors regarding their views of the impact of their organization on the surrounding community and arts in general and their impact on public health. This study aims to identify common themes, patterns, and variations in the officials' responses through qualitative data analysis. The findings will shed light on officials' attitudes, perspectives, and strategies on the intersection of arts and community health. The findings will offer value to policymakers, community

Gomolka, Daniel Mark

The Creating of What's the Point EP

For this project, I documented the making of "What's the Point". This is singer-songwriter Calyx Ryu's debut EP, which I helped produce, engineer, and mix. This documentary captures the process that went into the creation of this EP and shows how demos become full-length songs. In this type of production, there's more than just writing

and playing the songs. I wanted to capture detail, such as the plugins, mics we used, and much more. In the documentary, hear some of the stories of what went well and according you can to plan, what didn't go so well, and how some things worked out better than expected. The reason why I wanted to do this documentary as my honors project was because I have always had a love for music as well as film. This project gave me a chance to combine the things I love. It was such an honor to capture and share this experience.

Hennessy, Billy

Inappropriate Behaviors in Online Video Games

Every year, the video game industry dominates every other entertainment industry, and it is still growing. Anyone of any age has likely played a video game, and most video games are multiplayer, usually Person vs. Person (PvP) like Fortnite, Call of Duty, or Valorant. These games use communication (voice or text chats) and teamwork due to their natural competitiveness, but what if people play with others who are a bad influence? Although there are many benefits of gaming, there are downsides, and the biggest is exposure to inappropriate behaviors such as racism, sexism, and cyberbullying. Utilizing an online survey, this study examines how common these behaviors are, and suggests what can be done to minimize these instances. The goal of the study is to show how gaming should be protected but to also inform those who do not play online games on how bad the communities can be.

Hernandez, Melanie

The Representation of Race, Ethnicity, Sex, and Gender of Lawyers on Television

This study delves into the representation of lawyers on television shows focusing on intricacies of race, ethnicity, sex, and gender. By analyzing a diverse selection of television shows between the years 2000 to 2024, through content analysis, the research aims to investigate patterns in representation of legal professionals. Through this examination, the research uncovers complex ways in which intersecting identities shape the depiction of lawyers. The

study also offers statistics of legal representation to shed light on cultural narratives that inform media depictions of legal professionals. By illuminating the dynamics at play in the portrayal of lawyers on television, this research contributes to a deeper understanding not only of media representation but also reveals the comparison to real-life statistics. Preliminary findings indicate that although diversity within the legal field has increased, portrayals of lawyers on television are consistent with race and gender stereotypes, demonstrating a lack of consistency with the real-world field.

Horvath, Scarlett

Sex Sells: An Analyzation of Female Popular Music Artists and the Normalization of Sexual Lyrics

Throughout the past two decades, women in the pop music industry have broken many barriers that once stood. Nowadays there is an abundance of musicians who write hit songs with lyrics pertaining to sexual experiences, which was not done so much except primarily by their male counterparts. Women have had to fight through many hurdles in this world, primarily set by patriarchal societal “norms”. Thankfully, they are finally at a point where their sexuality, desires, and nature are more commonly expressed within their music, and while some may complain and say it’s “vulgar,” for these women it is a win: for society; for future generations; and for themselves. We are finally able to take ownership and pride over sexual topics that were once only sung about by men. This study will dive into the lyrics of several pop songs since the 2000s, and examine the subtle increase of normalization of women singing about sexual experiences. We will first dive into the a few songs of the 2000s where women subtly change the scope of the industry with sexual lyrics, and follow its progression into the 2020s. Alongside that timeline, we will analyze what it took for those women to make those choices and stand out from the usual expectations of female artists.

Hulme, Samantha

Threshold of Genetic Relatedness Regarding the Determination of Species in Agelenopsis Arachnids

The rise of biotechnology has allowed scientists to explore the sub-microscopic depths of all types of organisms. Some such creatures, that are often time overlooked, are the arachnids. Yet it is important that the same care and attention are given to the “creepy” groups as to other animals. Thus, a revamp of the arachnid phylogenetic tree is in order. This research employs two methods for exploring the evolution of certain arachnids. The first is a chromosomal approach, looking at karyotypes, which explores and compares the number and shape of chromosomes in different spider groups. The second will be a genetic-sequence based approach, looking at a specific set of Agelenopsis spiders and how their genetic differences compare at the level of individual genes. The approaches can be used in tandem to create the best representation of spider genomics, which can then be applied to other areas of research.

Janouk, Jennah

Lived Experiences of Syrian Circassians Post 1930

After the Circassian Genocide of 1864, many Circassians were exterminated and exiled in various regions throughout Asia and the Middle East. Those living in the diaspora subsequently have unique and telling stories. The purpose of this research is to examine the lived experiences of Syrian-born Circassians post 1930. This study is a narrative ethnography, utilizing both historical fact and qualitative research found through one-on-one interviews. This method aims to use both context and text in order to analyze raw data. In order to best illuminate the stories of those affected, we look to hear their own narratives in their own words. The results of this study aim to better understand the lived experiences of those living in a post-war generation, and what the effect of being in the diaspora has on a cultural community. Several themes found through this research are familiar bonds, poverty, migration, and endurance.

Jaramillo, Bella

The Dusk of Eternal Day

An adult fantasy novel, *The Dusk of Eternal Day* explores how religion and historical events are weaponized to manipulate those of faith into intolerant prejudices. This novel focuses on how miscommunication can irreparably damage the relationship between family. In a land where the Sun never sets, the Solari Queendom has prospered for over a millennium. Heir to the throne, Princess Mahiné has failed to show potential for Light sorcery, which all the realm's rulers must possess. Bound to the Coven of Night, Kith Ren is assigned a mission to awaken their slumbering Archon and free their people from beneath Mount Neoma. In his travels, Prince Leon unearths a strange string of murders that may be tied to the return of the First Darkness; the Night Archon his ancestor sealed over a thousand years ago. Torn between duty and family, these three must decide what to put first—their loved ones or the world.

Johnson, Claire

Governors Island: Inside Out

Governors Island is a little-known gem in New York Harbor and has been a part of my life since 2012 when my father would take me to work with him, and I was free to explore. Later, I seized an opportunity to work there and immersed myself in the horticultural experience. I witnessed transformations each year, making the island a subject that is near and dear to me. To commemorate my appreciation of this gem, I produced a photo book centered on Governors Island. Incorporating my personal perspective and historical understanding, I used my unique access to explore parts of Governors Island that are typically off-limits to the public; this includes several of unoccupied buildings and forts. I made several visits visited at different seasons to capture an array of images that showcase distinctive parts of the Island. This book includes inspiring imagery of historic interiors, park and public spaces, construction projects, and a ferry!

Jones, Jordynn

Can Frequent Cannabis Consumption Lead to Depression?

This thesis explores the relationship between frequent cannabis consumption and depression, drawing upon several systematic review of literature retrieved from PubMed and the National Center for Biotechnology Information (NCBI) databases. While previous research has yielded conflicting findings, this study aims to synthesize existing evidence to provide a comprehensive analysis. While, some studies suggest a positive correlation, indicating that frequent cannabis consumption may exacerbate depressive symptoms, other research fails to establish a significant relationship or even suggests potential protective effects against depression in certain subpopulations. Factors such as study design, participant characteristics, and measurement methods contribute to the observed disparities. Additionally, potential confounding variables, such as genetic predisposition and co-use of other substances, warrant further exploration to elucidate underlying mechanisms. This thesis underscores the complexity of the relationship between cannabis consumption and depression and emphasizes the need for continued research efforts. By elucidating underlying mechanisms and identifying moderators and mediators, future studies can inform evidence-based interventions and policies to address potential adverse effects on mental well-being.

Kahwaty, Nicole

Bilinguals Versus Monolinguals

The effect that bilingualism has on the brain has been studied several times. Bilingualism is when someone can fluently speak and understand two languages. Many previous studies had found that bilingualism contributed and aided learning or understanding a new language. Bilingualism tended to have increased metalinguistic awareness that helped them in understanding a foreign language

(Sanz, 2009). I hypothesized that those who are bilingual or multilingual will be able to understand a fake language better than those who are monolingual.

Kaszubski, Viviana

Repertoire and Race

The focus of this project is interviewing three solo and choral classical artists regarding their experience and views of cultural appropriation and/or misappropriation in the classical repertoire. The interviewees are Dr. Tami Petty, WP Voice Faculty and Solo Soprano, Dr. Darian Clonts, WP Voice Faculty and Solo Tenor, and Dr. Timothy Long, Director of Opera at the Eastman Conservatory of Music. Each of these artists represent a different social, cultural, and artistic background giving voice to the overall scope of the question of misappropriation in today's classical vocal music performance environment.

Kim, Wendy

The Effect of Fasting on Cognitive Function

While there are various studies on the effect of fasting for weight control, its impact on cognitive function is still an evolving subject of research (Vasim, 2022). Following the PRISMA guidelines, a search of the literature was performed on databases including CINAHL and PubMed. A total of 9 published articles were included in this research. The assessment for cognitive function included various tests, focusing on Brain-derived Neurotrophic Factor (BDNF) level, a key protein linked to brain health. The emphasis was on examining how fasting affects cognitive function as it relates to BDNF level. Multiple articles suggested that fasting raises BDNF level, thereby enhancing cognitive function and reduces oxidative stress, indicating a potential mechanism for positive cognitive effects through BDNF modulation, synaptic plasticity, and neurogenesis (Bathina & Das, 2015; Brocchi, 2022). The study concluded that intermittent fasting is effective in

increasing cognitive function by enhancing the release of BDNF level.

Krajewski, Hailey Marie

Emotion Words Have Color, Induced Emotions Do Not

This study examined the relationship between colors and emotions to determine if associations are consistent between induced emotions and emotion words. Participants wrote about past experiences to evoke one of six emotions, then selected a colored image that reflected their current mood. The final question matched color terms to emotion terms. The responses for emotion induction were much more varied than the responses for term associations which were quite consistent and aligned with previous literature.

Larouech, Richard

Exploring the Art of Jazz Arranging: The "Three T's" for Crafting an Intriguing Learning Experience

Great compositions and arrangements have certain elements that make them both intriguing to the player and engaging for the listener. For this project, I have done my best to encapsulate both aspects by creating an album of my own arrangements of compositions written by well-known jazz composers combined with improvisation that pays tribute to some of the best jazz soloists. The arranging strategies I utilize derive from the compositional philosophy of world-renowned trumpeter Etienne Charles, which he classifies as the "Three T's": Tempo, Tonality, and Texture. Each arrangement of mine on this album has an emphasis on one of these respective qualities in hopes of adding personal embellishments for an enhanced musical experience for all parties involved, players and musicians alike.

Lepishina, Elana

Music Therapy for Cancer Patients

Music therapy is the clinical use of a musical intervention that can be individualized to patient tastes for the purpose of rehabilitation in areas such as memory, mood, pain and general well-being. In order to better understand whether music therapy is effective in mitigating symptoms faced by many cancer patients, four studies were chosen for analysis and review based on clear findings and varying patient populations. These studies included a focus on pediatric patients receiving radiation therapy, breast cancer patients, bedside patients who were considered to be chronically ill, and patients in palliative care. Study areas that were reviewed included methods, tools, and conclusions. While all of these studies varied with respect to demographics, they came to similar conclusions on the efficacy of music therapy on specific symptoms (e.g., anxiety, depression, and pain). These studies also touched upon how the quality of life is affected when music therapy is introduced into these patients' care plans and whether the patients themselves believed the therapy was useful and worth participating in again.

Lewis, Christina

Prenatal Anxiety and Depression and Their Impact on Childbirth

Experiences and Neonatal Birth Outcomes: An Integrative Review

Prenatal anxiety and depression in mothers and adverse birth outcomes in neonates is a common outcome. Due to the unknown effects of anxiety and depression treatments during pregnancy, often it will be left untreated. This integrative review examined the current literature on the relationship between prenatal anxiety and depression and birth outcomes and the mothers' birth experiences. Utilizing the PRISMA flowchart guide, a literature search was conducted of the CINAHL and Medline (via PubMed) databases. Inclusion criteria for the review consisted of peer-reviewed articles published between 2004-2022, included human subjects, and were written in the English language. This review of the studies analyzed if untreated prenatal anxiety and depression during pregnancy

influenced the birth outcomes of neonates as well as birth experiences of the mothers. The findings of this study revealed that there is a relationship between prenatal anxiety and depression and adverse birth outcomes, most often in the later trimesters and when associated with other stressors.

Long, Calli

Athlete Mental Health After Injury

This study investigated the effect of athletic injury on an athlete's mental health. Participants' depression was measured with the Beck Depression Inventory and anxiety was measured with the Beck Anxiety Inventory. Severity of injury was determined by the Abbreviated Injury Scale and the relationship was explored between the severity score and scores of depression and anxiety. Results were not significant, but the participants with more severe injuries raw scores were higher.

Longo, Haleigh

Exploring How Perfect Pitch Affects the Development

of Musicianship Skills

Perfect pitch is the ability to recognize the pitch of a note or produce any given note. Perfect pitch is not an ability that everyone has. Musicians who have perfect pitch are born with it, and they usually find out they possess this ability early on in their music career. The possession of perfect pitch is usually seen as a strong advantage to those in the music community. While there are many well-known advantages to perfect pitch, there is the possibility of certain disadvantages to be examined. There could be an illusion that having perfect pitch makes someone appear to be a better musician, but that might not be the case. This research project will be surveying different types of musicians, those with and without perfect pitch, to see if having this ability makes an individual a more well-rounded musician, or if it simply makes certain aspects of music easier to comprehend and pick up on. them

Malandro, Abigail

Motivation of Nursing Students

The importance of motivation and personal management in the healthcare setting influences performance levels and intentions to stay or quit healthcare jobs. When examining the data that was collected through surveying nursing students, the amount of satisfaction in nursing was almost significantly higher in the later levels of clinical experience ($t(26)=-2.03, p=.053$). This indicates that more experienced students were more satisfied with nursing as a profession.

Marcucilli, Amy Elizabeth

The Effects of Non-Fatal Opioid Overdose on the Body: An Integrative Review of the Literature

Opioid use in the United States has been steadily rising over the past two decades with a consequential increase in morbidity and mortality. Prescription opioid abuse, recreational drug use, and the introduction of illicitly manufactured synthetic opioid analogs all pose a massive threat to public health. If the patient survives the overdose, it is likely that they will suffer great bodily harm as a result of the near fatal event. This integrative review examined the current literature regarding the effects of a non-fatal opioid overdose on the body following PRISMA guidelines with article retrieval from CINAHL and Medline via PubMed. Criteria for eligibility included peer reviewed studies written in English that represent the “third wave” of the opioid epidemic, which began in 2013. The findings of the study revealed consistencies in which victims often suffer amnesic syndromes, hippocampal volume loss, leukoencephalopathy, cardiac arrest, seizures, and various disturbances in motor function.

Martinez, Brianna

The Dangerous Truth: The Growing Threat to Journalists

My research project is on the attacks on journalism, particularly to answer the question, why is telling the truth so dangerous? Across the globe, there are numerous

reported cases of journalists who are harassed or killed to prevent them from voicing the truth to the public. Journalists have faced violence, intimidation, and threats in countries all around the world. The most common reasons behind their senseless murders include exposure of government corruption, fundamentalist religious dictates, as well as drug and gang related organized crime activities. I organize my research around the various types of activity that bring journalists under fire. My main methods include examining written sources, cases of murdered journalists, and what they reported on. As a journalism minor, I am approaching this from a journalist's point of view, by examining the practices of international reporting and investigative journalism, and how the practices have changed to meet the growing threats.

Martinez, Emily

Gen Z Political Tolerance

Generation Z (1997-2012) is soon to be the largest voting group and is extremely political. With their technology driven psyche they have a unique set of issues and tendencies. Their involvement revolves heavily around social issues and identity politics which has led to a recent increase of “cancel culture.” The term “canceling” is when a public figure does something immoral or inappropriate that usually involves bigotry or a controversial opinion. Cancel culture extends off the internet and has created a generation that is seemingly intolerant of opposing political views. Through the use of survey research, this study investigates the triggers of Gen Z's intolerance by identifying the most significant and unforgivable political affiliations. The survey collects participants' demographics, political views, and the kind of relationship they would have with people who disagree with them politically. This research highlights a pressing issue of whether Gen Z has the drive to achieve what other generations could not or if they will increase polarization to an irreversible point.

Menendez, Bryan

Characterization of the 5' ends of Nonribosomal Peptide Synthase

Transcripts in the Harmful Algal Bloom Species, Karenia Brevis

My thesis offers a reconstruction of the "South Broad Valley" in Newark's South Ward, as it was before much of the neighborhood was demolished for the construction of I-78 in the 1970s. My great-great-grandparents arrived in Newark as immigrants and successive generations of my family were raised in this area of the South Ward. I use written histories of Newark, publicly available maps, photographs, and newspapers, in conjunction with oral family histories, family photos, and other personal resources to understand the character of the community was, and what daily life was like there, before the neighborhood was destroyed. My thesis establishes where people in this community gathered, worked, ate, prayed, and learned, as well as the social and cultural backgrounds of residents. This project offers an autopsy of a community, a post-mortem reconstruction of what this neighborhood was like when it was alive.

Minieri, Scotty

Fright and Subscribe

Fright and Subscribe, Horror-Comedy screenplay about 4 teenagers exploring an abandoned farm, contains both serious and comedic elements. The teens set out to create a YouTube video of the spooky things they find, but after one of the characters lets out a slew of ghosts and phantoms, the trouble begins. The main character, Ashley Jansen, is an avid ghost hunter and supernatural enthusiast. She is joined by Belle Starr who is simply there for her glamor shot and not at all because she has a huge crush on Ashley. The girls recruit David Nelson to help them in their adventure because he has a nice camera and Justin Thornton because he has a car. By the end, Ashley and Belle realize their feelings for each other, David becomes braver, and Justin makes a friend.

Momanyi, Jessica K.

Effects of the COVID-19 Pandemic on University Music

Students and Faculty

University music education has been negatively impacted by the COVID-19 pandemic. Literature indicates music program participation is related to resilience and a sense of belonging. This study examined the effects of COVID-19 on community, academia, and the individual in a university music department. Student and faculty participants were recruited via email, demographic data was collected via Qualtrics, which was followed by focus group participation. Preliminary results indicated a high sense of belonging and departmental support.

Montgomerie, Dave J.

Otherworld Suite: Compositions of Atmospheric Music

Otherworld Suite strives to bring the listener to different environments over the course of four musical compositions written, recorded, mixed, and mastered by Dave Montgomerie. The project draws inspiration from film and video game scoring, jazz fusion, romantic composition, and more, combining recorded and synthesized instruments to create a unique and vivid soundscape. It features a mix of specificity and abstraction that takes the listener to a composed environment and invites that listener to explore and imagine within that space. These places may not exist in our world, but the experience of visiting them and their emotional palettes are nevertheless real. That fabrication of something meaningfully real from imagination is the core ambition of this project. Every step of the process, from writing to mastering, has been in an effort to share this fabrication with others.

Moutis, Emily

Sterling Heart

Sterling Heart is a screenplay based on my grandmother's real-life love story. This narrative tells the journey of two

teenagers, Margaret and John, who fall in love in 1950's Paisley, Scotland. Although they seem to be perfect for each other, there's one thing that tears them apart: their religion. Margaret, born and raised a Protestant, and John, born and raised a Catholic, ignore their differences at first. Their family's opinions, however, interfere, forcing them to decide whether to abandon each other or listen to their hearts. All viewers, from those who are young and in love, to people struggling to put themselves first in order to make others happy, will be able to relate to the characters in this screenplay. Overall, *Sterling Heart* teaches the valuable lesson of how to find the courage to make strong independent decisions that lead to a fulfilling life.

Mujia, Isabel

Does the Laboring Position Influence Birthing Outcomes in Second-Stage Laboring Women

This integrative review examined how different positions affect the duration of second-stage labor, pain, perineal trauma, visualization, blood loss, shoulder dystocia, oxytocin administration, neonatal outcomes, uterine contractions, and patient-provider communication. Utilizing PRISMA guidelines, thirteen articles found themes that alternative positions can optimize the outcomes of the variables listed above. These positions include an upright position, lithotomy, squatting, all-fours, supine, McRoberts, and lateral. While the standard of practice is often to use the lithotomy position, studies show these positions can be selectively beneficial based on a patient's risk factors and improve outcomes such as excessive bleeding or perineal trauma for women in the second stage of labor. Nurses and providers may use these findings in their practice to implement patient-centered care, safety, and evidence-based practice.

Nastasi, Louise

Evaluating the impact of hormone levels on autoimmunity development among women; An Integrative Review

Autoimmunity is a form of immune dysregulation in which

the immune response is directed against normal parts of the body. Research shows that 80% of individuals with autoimmune diseases are women which implies that sex bias may play a part in the mortality and morbidity rates of autoimmune diseases (AD) in women. The research will examine the effect of sex bias on women patients, possible treatment, and preventative measures for women suffering from ADs or those at risk. The integrative review protocol was established based on PRISMA guidelines and utilized the following databases in a thorough electronic search: Google Scholar and CINAHL. Article criteria included published from 2017 to 2023, peer-reviewed, written in English, conducted in the U.S., and contain participants that are currently women of reproductive age at risk for or have an AD. The findings of the study showed that women's hormones had an impact on the treatment, onset, and progression of ADs.

Nemeth, Isabel

Do interventions improve quality of life, resilience, and stress levels in parents of children with cancer?

Raising a child with cancer, has been considered one of the most severe stressors a parent can endure. Thousands of children are diagnosed with cancer every year in the U.S., resulting in thousands of parents and families dealing with this stressful and traumatic process. Parental coping in these situations has been the subject of extensive research. The research design employed is a scoping literature review because there is little data on the topic of successful interventions in this population. Medline will be searched via ProQuest which provides access to millions of records from over 5,000 medical and public health publications. The search will be limited to peer-reviewed publications published between 2018 and 2023 using the search terms "interventions and parents and children with cancer". Results will provide an overview of the types of intervention strategies used to support parents of children with cancer.

O'mara, Eoin

Exploring Instrumentation Through Original Composition

Over the last century, jazz composition for small groups has typically ranged from three to six players, consisting usually of piano, bass, drums, and a frontline of one to three horn players. However, in recent years, jazz writers have transformed the use of instrumentation from an afterthought to a primary factor in the composition. My project seeks to explore original compositions and arrangements that are written for a wide variety of instrumentations, from solo guitar to septet. The writing process used group instrumentation as a primary compositional method. In this exploration of compositional voice, I also explore my role as a guitarist, and the possibilities of the instrument in contemporary jazz. This involves exploring guitar specific composition, and using technology like pedals to craft different tones. By learning from musicians like Mary Halvorson, Brian Blade, and Gene Bertoncini, I try to convey their techniques through my own search for a unique compositional style.

Oostdyk, Riley

Improving the Outcomes of Infant Affected by Neonatal

Abstinence Syndrome: An Integrative Review

Neonatal abstinence syndrome (NAS) occurs when an infant withdraws from a substance following maternal drug use during pregnancy. Various studies have been published exploring interventions to diminish the effects of NAS. This integrative review analyzes current literature to formulate several interventions which have proven effective in improving outcomes of infants with NAS. Following PRISMA guidelines, a literature review was conducted utilizing various medical databases. The terms "neonatal abstinence syndrome", "improving outcomes", "interventions", and "maternal drug use" were applied to produce potential results. Relevant articles had to be peer-reviewed and written between 2010-2013. Specific interventions found effective in improving NAS outcomes included the utilization of screening tools (DAST-10 questionnaire and WIDUS),

pharmacological treatments (Buprenorphine, Methadone, and Morphine), and non-pharmacological approaches (rehabilitation programs and breastfeeding). This study concluded that a multi-faceted approach encompassing a combination of evidence-based practices utilized throughout pregnancy, the newborn stage, and childhood is most effective in improving NAS outcomes.

Ovbiye, Laurel

Culture Shock and Impressions about America Culture on International students

This study explores how international students' perception changes/shifts when they move to a new culture (which is known as a host culture). Participants were asked to answer a few questions about their experiences when it came to culture shock, their coping mechanisms and their support systems. Data collected were analyzed by developing common themes that were repeated among participants. Participants emphasized the importance of social support and commented on linguistic issues and new foods.

Perez, Gabriella

Sensation Seeking, Impulsivity, Religion, Spirituality, and Substance Abuse Among College Students

This study explores the impact of religion and/or spirituality on substance use among individuals with and without sensation-seeking personality traits. There is very little research that incorporates all these factors, and this study uses a unique combination of assessment scales to examine these issues. Taking into consideration the results of previous research, it is hypothesized that religion and/or spirituality and substance abuse will be negatively correlated among individuals with sensation-seeking personality characteristics. It is also hypothesized that religiosity and/or spirituality are moderators of substance use and sensation seeking personality characteristics. In order to examine these

hypotheses, this study collected data from a survey completed by undergraduate students at a regional university. While data analysis is currently in progress, a preliminary finding suggests that individuals who are more concerned with social approval also exhibit higher levels of spiritual well-being and both well-being and socially desirable behavior are likely associated with fewer problems related to drug abuse and sensation seeking.

Pettet, Todd

Moments in Sound

Our world is full of sound. The world that surrounds us exhibits rhythm and melody on a variety of scales. There is creation and beauty to be found within our daily lives. This project aims to capture these sounds and transfer them into the medium that I am most familiar with – music. This EP recording of original compositions features specific locations through musical creation. I want to challenge myself as a musician and producer by leaving my comfort zone and creating abstract pieces. From personal experience, I know music can evoke certain feelings. My goal of this project is to do the same for my listener. This project has enhanced my skills as a music editor and has deepened my understanding of how music can be created from anything. In the future, I would like to write more volumes of this style and explore the boundaries of my creative expression.

Prol, Christopher

Birds as Indicators of Human Health

While birds are essential to the ecosystem, they also carry diseases that may affect humans. Birds, especially crows and robins, have been associated with several diseases, including West Nile Virus (WNV). This research aims to determine whether American Crows and Robins are linked to human infections of WNV. WNV incidence data was downloaded from the CDC and bird population data was obtained from a citizen science database known as eBird. Using the R programming language, a bivariate choropleth map of the USA

and California was created and a correlation analysis was performed to determine whether there is a correlation between bird abundance and WNV incidence rates. A correlation analysis found no correlation between Crow abundance and WNV incidence rates. Conclusions: While crows are known to be carriers of WNV, this study did not detect any correlation between their abundance and reported human infection rates.

Quintero, Alexandra

Content Analysis of Breastfeeding Websites—Are the roles of co-parents addressed?

Despite limited research on partner involvement in maternal healthcare, evidence underscores its significance in enhancing the overall breastfeeding experience. Recent studies highlight its correlation with increased initiation, success, and continuation of breastfeeding. Partners' positive attitude and involvement encourage confidence and self-efficacy. Given the extensive research on partner support, analyzing current health education to determine how this issue is being addressed is critical. The research objective is to assess online breastfeeding education materials' content, comprehensiveness, and inclusivity regarding partner/support persons. Using mixed methods, webpages from reputable health and government organizations were scrutinized. Qualitative content analysis identified prevalent themes and important quotes, while quantitative analysis provided insights regarding information frequency and depth. Findings will explore inclusivity themes and strategies promoting enhanced breastfeeding campaigns for co-parents and support networks. This study aims to illuminate the portrayal of partner support in online breastfeeding education, pinpointing areas for enhancement, and inclusive support.

Raguseo, Michaela

Rube Goldberg Through History, Mechanics, and Education

Rube Goldberg was an imaginative cartoonist and journalist for the New York Times. He designed cartoon strips of eccentric machines that complete a simple everyday task such as building a sandwich but do so with many additional steps. Over the years, people became intrigued with attempts to build these machines. Thus, the idea of using math, physics, and simple engineering needed to build a Rube Goldberg machine has expanded into K-12 STEM education. The goal of this thesis is to create a machine inspired by Rube Goldberg and to use this experience to create a lesson plan in K-12 education.

Rodriguez, Gisele

Business Analysis of a Chemical Tech Company

The purpose of this business practicum is to develop a thorough business plan for CA\$TOK by creating strategies in key areas, such as management, marketing, and finance. CA\$TOK is a start-up Business-to-Business (B2B) company in the chemical industry, providing an online platform that connects sellers and buyers to sell chemical by-products and facilitates professional interactions through a user-friendly interface. We began with various strategic analyses to evaluate CA\$TOK, its competition, and its financial health. We then conducted detailed management, marketing, and finance analyses, allowing for informed decision-making and strategic development. We further identified several critical risk factors of our suggested strategies. Finally, to mitigate these risk factors and build competitive advantages for CA\$TOK, we propose several actionable strategies, including hiring salespeople, building digital marketing efforts, and refining financial projections. We anticipate our recommendations will help CA\$TOK for growth and sustained success in the chemical industry.

Ruiz, Vanessa

An integrative review on the effects of maternity leave duration on maternal health and infant development during the infancy period

This integrative review aimed to understand the effects of the duration of maternity leave on maternal health and child development within the

infancy period. Although maternity leave is shown to have a positive effect on both the mother and baby, the effects of different lengths of maternity leave have not been heavily researched. PRISMA guidelines were utilized to collect a total of 8 peer reviewed articles from CINAHL and ScienceDirect databases. Maternity leave is defined as the time a mother takes off work to care for their infant after birth. Eligibility consisted of articles that were primary research, focused on the effects of maternity leave within the first year after birth, and have a generalized sample population. Analysis of the articles showed there was an overall positive benefit associated with longer maternity leave duration. However, an exact length of optimal

Saad, Justina A.

Parental Accessibility of Special Education and Autism Resources on Public School Websites

This study explored the accessibility of information about special education and autism resources on fifty public elementary school websites within northern New Jersey. Data was collected by searching school websites for information on a manual checklist for a maximum of thirty minutes. The checklist included website accessibility, contact number, resources listed, in-school aids, special ed classes, program requirements, updated website, and language options. Preliminary results found deficiencies in all school websites examined.

Sanchez, Tyler

Assessing the role of the Sin3-Rpd3 HDAC complex on antifungal resistance in the fungal pathogen Candida glabrata

Invasive fungal infections caused by Candida yeast impose a high public health burden. Research has shown the importance of gene regulation through histone acetylation and deacetylation in antifungal susceptibility. While both SIN3 and RPD3 knockout

strains have been identified in screens for increased echinocandin drug susceptibility, the role of the Sin3-Rpd3 histone deacetylase (HDAC) complex in *C. glabrata* drug resistance is unknown. Through selection of wild type and SIN3 and RPD3 knockout strains on drug plates, we found that the knockout strains yielded decreased frequencies of colonies compared to wild type indicating the importance of the Sin3-Rpd3 HDAC complex in resistance development. We have also disrupted SIN3 and RPD3 in drug resistant mutants to determine whether these genes are essential in echinocandin resistance stability. To this end, we PCR-amplified deletion cassette DNA, transformed echinocandin resistant mutants, and screened multiple transformants to ensure gene deletion. Drug susceptibility assays are ongoing.

Santucci, Carly S.

The Effects of Kangaroo Mother Care on Postpartum Hemorrhage: An Integrative Systematic Review

The miracle of childbirth brings risks of morbidity and mortality complications to birthgivers. The leading cause, postpartum hemorrhage (PPH), is understood as maternal blood loss greater than 1,000 mL during birth. Specific interventions are implemented to serve as PPH prophylaxis to better maternal outcomes. This systematic review aimed to examine the literature on birthgivers who practiced kangaroo mother care (KMC) in the initial phase of postpartum recovery to determine its impact on reducing the severity of PPH. Utilizing the 2020 PRISMA flow diagram, databases CINAHL, National Center for Biotechnology Information, and Science Direct executed a search of English articles published between 2015 and 2023 that noted variables of skin-to-skin contact (SSC), KMC, PPH, and oxytocin. The analysis found that KMC significantly involves SSC between the birthgiver and newborn fetus. This act of pronurturance stimulates the hormone oxytocin in the mother to strengthen uterus contraction and reduce maternal suffering from PPH.

Satterfield-Ali, Sabriyah

Healthcare, Artificial Intelligence, and the Issue of Bias

Artificial Intelligence (AI) holds promise for transforming

healthcare delivery but raises concerns about bias. Bias in AI systems has far-reaching consequences, especially in healthcare, where decisions directly affect individuals' well-being. This research employs a scoping literature review methodology to examine existing literature on bias reduction strategies in AI used in healthcare. The purpose is to provide an overview of the current state of research in this area and offer recommendations to promote unbiased AI implementation for better health outcomes in the global healthcare industry. A scoping literature review was conducted using academic databases including MEDLINE, Scopus, EBSCO, Google Scholar. Articles published between 2016 and 2023 were screened for relevance, focusing on bias reduction strategies in AI within healthcare. The keywords utilized were "artificial intelligence", "healthcare", "bias reduction", "algorithms", and "medicine". The paper will present various strategies that have been suggested or proved to be solutions to reduce and mitigate bias within AI used in healthcare.

Savarese, Nicholas Nolan

Sinferno

Sinferno is a digital graphic novel that depicts what it means to mature and take accountability for one's own actions. Sinferno takes the viewer through the story of Bunson, a creature made of fire that was accidentally created in a lab. He is living waste, a nuisance made of ember, and the personification of the dangers of climate change. Born from a failed experiment that was improperly disposed of, Bunson resents the world that he is gradually and unknowingly destroying, and he takes out his anger on those around him. This story was spawned circa 2018, when I was close to graduating community college. My humor and attitude were a little rawer then, and my affect towards the world more apathetic. The tone is quite bitter and cynical, but by the end becomes an encouraging tale of change.

Schwartz, Julia

Promoting Effective Communication with Conscious Ventilated Patients in the ICU Setting

This integrative review examined and described communicative devices that can be used with ventilated patients to achieve effective communication, with the goal of finding the most effective device. These devices include talking tracheostomy tubes, picture/communication boards, high-tech computerized assistive devices, and the electrolarynx. It also explored psycho emotional/psychological stress that ventilated ICU patients can experience. The PRISMA guide was used to gather articles from Google Scholar, ScienceDirect, NIH, ACN, and BiomedCentral databases. Eligibility criteria included being written in English, taking place in or outside of the United States, published after 2003, and researched in high and low acuity ICU's. The findings of the study revealed that all aforementioned communicative devices improved communication but there was insufficient data to answer the main thesis. Ventilated patients were also found to experience psychological and psycho-emotional stress due to improper communication.

Scipio, Kourtney

Understanding Speech: Is there a lack of knowledge and good communication skills when it comes to communicating with patients with aphasia in healthcare settings?

This study explored prospective healthcare professionals' knowledge and skills regarding communication with individuals with aphasia in healthcare settings. Patients with aphasia have difficulty producing comprehensible language, but intact cognitive abilities. Participants in the study included nursing students and graduate SLP students from William Paterson University. They were tasked with completing a survey that evaluated their knowledge, abilities to understand, and thoughts concerning the individuals with aphasia's mental capabilities. Five audio samples were presented and consisted of varying degrees of severity in aphasia. Results showed high self-reported knowledge about aphasia (93%) but low confidence rates (37.4%). Further,

results showed that the vast majority of prospective healthcare professionals felt the patient in the sample was not capable of medical decisions in four out of the five samples. Thus, revealing a scary ongoing occurrence in healthcare, and the large gap when it comes to communicating with aphasic patients.

Segelken, Anna

Influence of weekly book club participation on the reading abilities and enjoyment of aphasia clients

This study investigated the effect that participating in a book club has on the reading abilities and enjoyment of people with aphasia. Reading ability and enjoyment were assessed through the Boston Aphasia Diagnostic Examination and a Likert scale questionnaire, respectively. Weekly meetings were held in which modified chapter summaries were read and questions were discussed with the participants. Results found that all participants enjoyed engaging in the book club and felt a sense of accomplishment.

Shahinian, Matthew E.

Business Analysis of a Chemical Tech Company

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Soler, Samantha

Link Between Adverse Childhood Experiences and the Development of Murderers

This literature review explores the relationship between adverse childhood experiences (ACEs) and their potential contribution to murderous behavior in adulthood. Children who experience adverse childhood experiences may face a variety of consequences including parents who may be negligent, exposure to violence, and abusive parents. The social and developmental outcomes of young children and adolescents facing these conditions can lead them to succumb to the consequences of that violence and parental negligence. This thesis examines filicide, mental health disorders, and the degree to which abuse factors into the history of these individuals. Empirical research has found that the more adverse childhood experiences an individual encounters, the more likely they are to commit murder. The goal of this literature review is to identify various types of adverse childhood experiences and explain how these adverse events that individuals face throughout their childhood and in their later developmental years can be detrimental to achieving healthy outcomes.

Song, Minhee

An Integrative Review on the Effectiveness of Non-Pharmacological Treatments and Nursing Interventions for Children with ADHD

Attention-deficit/hyperactivity disorder (ADHD) is one of the most common neurodevelopmental disorders among children. According to the CDC (2023), children with ADHD may have difficulty concentrating and controlling impulsive behaviors and be overly active. The cause and risk factors for ADHD are unknown; however, there are different pharmacological and non-pharmacological ways to manage ADHD which is why nurses must engage in nursing interventions that can relieve or treat symptoms. This integrative review examined the previous and current literature and analyzed the non-pharmacological management of ADHD and nursing interventions

for children with ADHD. A literature search was conducted following PRISMA guidelines. The eligibility criteria included peer-reviewed studies published between 2013-2023 with participants under the age of 18. The findings of this integrative review revealed that non-pharmacological treatments and nursing interventions are effective in relieving symptoms and promoting quality of life in children with ADHD.

Spencer, Annarose

Analysis on the Relationship Between Mental Health Status and Burnout Amongst Registered Nurses

The state of one's mental health can impact actions, decision making, and ability to handle greater amounts of stress. Burnout amongst Registered Nurses is primarily caused by poor mental health related to prolonged exposure to the stressful work environment of the profession. The PRISMA flowchart was utilized to assist in adjudicating the most appropriate studies that answer the proposed research question. CINAHL, PsychInfo, and Gale Health and Wellness were the databases used to identify nine articles with varying research designs. The findings of overall analysis identified the key factors impacting the mental health of registered nurses within the workplace, that have catalyzed the rate of nursing burnout across the United States. Understanding the relationship between mental health in registered nurses and burnout rates, yields to effectively addressing the causative factors to reduce the burnout rate within the nursing profession and further initiate nursing workplace reform.

Suleiman, Rayah

Understanding the importance of touch on premature infants: An Integrative Review

Physical touch on premature neonates is a multi-diverse holistic approach that can comfort infants

by reducing physiological stress and pain sensation. Human contact plays a crucial role in infant development, sleep and health. Lack of physical touch can be detrimental to premature infants who spend an extended period of time in incubators at the NICU. This integrative review examined the available research on the benefits of physical touch on premature infants and shed light on the touch disparity of healthy infants compared to premature infants. The PRISMA guide was followed to research literature using CINAHL and Medline PubMed databases. Studies were considered eligible if they are directly related to benefits of physical touch and explore multiple aspects that improve an infant's well-being due to physical touch. The findings of the study revealed that several forms of physical touch showed an improvement in physiological stress, pain and development.

Takagi Rojas, Andy

The Role of Perfect Pitch in Language Acquisition and Language Development

This research project explores how the physics and musical ability of absolute pitch can be used in the learning of languages by using pitch and modulation as the main elements used in the accomplishment of this purpose. It will also show how this method of learning comports itself differing from the ones following the psychologist Watson's theory of behaviorism based on conditional stimuli, repetition, and positive reinforcement. This new approach instead is based on the idea of the linguist Chomsky that language learning is innate to human beings as they are born with an innate ability to recognize and reproduce sounds made in speech and differentiate tone, pitch, and modulation. Although this ability is lost when kids get older, music may play a role as a tool for language learning in people who have already passed the critical period for susceptible and passive language acquisition. Properties present inside music's sound qualities that

open the gate for abilities such as pitch recognition as in the case with people who possess perfect pitch, may be the response to opening the ability to recognize all the sounds of the languages of the world and recover the capacity of babies to acquire and reproduce infinite sounds made in speech by the people around them back again. Through a thorough analysis of how music plays a role in foreign language acquisition as well as via investigation based on surveys and pilot experiments to test the theories presented in this investigation, the relevance of music in being a new tool for foreign language acquisition will be explored, the hypotheses made will be tested, and their results will be presented to get to a conclusion.

Vandergast, Zoe Kim

The Incidence of Bilingualism alongside Music Aptitude

The purpose of this study is to explore the potential relationship between music and foreign language acquisition. The sample includes William Paterson University music students that are asked to fill out a survey inquiring information about their language ability, musical aptitude, and some brief demographic information. This study will outline the potential relationships between these two variables and investigate prior research conducted on this topic, in an effort to contribute additional information and ultimately gain a more comprehensive understanding of why and how music and foreign language are connected. This study will not be attempting to correlate or explain any existing relationships between these variables, but rather explore the potential for future studies regarding this topic.

Vargas, Bianca P.

Exploring Disparities in Healthcare Quality

of First-generation Hispanic Americans: A Literature Review

The purpose of this study is to explore the potential relationship between music and foreign language

acquisition. The sample includes William Paterson University music students that are asked to fill out a survey inquiring information about their language ability, musical aptitude, and some brief demographic information. This study will outline the potential relationships between these two variables and investigate prior research conducted on this topic, in an effort to contribute additional information and ultimately gain a more comprehensive understanding of why and how music and foreign language are connected. This study will not be attempting to correlate or explain any existing relationships between these variables, but rather explore the potential for future studies regarding this topic.

Visco, Nicole

Exploring Student Motivation: A Qualitative Analysis of Students' and Teachers' Experiences in K-12 Education

Academic motivation is a primary factor of students' educational success. There are many motivators for students, the largest being their relationship with their teachers. To verify this finding, the present study investigated the correlation between student-teacher relationships (STRs) and students' motivation to learn. It also looked at whether academic self-efficacy (ASE) was a mediator to this correlation. Students who graduated from high school (n = 10) and teachers with at least five years of experience (n = 8) were interviewed. Preliminary results showed that having positive relationships with teachers who boosted their ASE motivated students to learn in class. However, although students' motivation depended on their relationship with the teacher, their motivation did not stay consistent throughout their K-12 education. Thus, it is not only the responsibility of teachers to motivate students; it is the responsibility of any adult in the student's life, such as other faculty members and parents.

Vitkovskiy, Elena

Business Analysis of a Chemical Tech Company

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CA\$TOK is a start-up Business-to-Business (B2B) company in the chemical industry, providing an online platform that connects sellers and buyers to sell chemical by-products and facilitates professional interactions through a user-friendly interface. We began with various strategic analyses to evaluate CA\$TOK, its competition, and its financial health. We then conducted detailed management, marketing, and finance analyses, allowing for informed decision-making and strategic development. We further identified several critical risk factors of our suggested strategies. Finally, to mitigate these risk factors and build competitive advantages for CA\$TOK, we propose several actionable strategies, including hiring salespeople, building digital marketing efforts, and refining financial projections. We anticipate our recommendations will help CA\$TOK for growth and sustained success in the chemical industry.

Voysey, Vienne Thao-An

ID: A Concept EP on Personal Identity

How do we choose what defines us? After entering college, I struggled to find my sound and my identity, and creating music was what helped me most. Through this project, I explored in depth the aspects of identity that best represent me through a six-song concept EP. All tracks were written, recorded, produced, and mixed by me, with some help from Konner Kozlowski on drums. My songs highlight vocals alongside guitar, drums, and đàn tranh, a traditional Vietnamese zither. Learning how to play the đàn tranh brought me closer to my Vietnamese mother. The creation of ID was challenging as well as rewarding, as writing about personal issues forced me to confront my emotions. With topics ranging from struggles with mental health to falling in love with my ethnicity, ID is a raw baring of the soul that hopes to inspire others to be brave enough to do the same.

Walker, Shana'e

The Psychological Effects of Dating Apps on Emerging Adults

This thesis will investigate the impact of dating apps on the mental health of emerging adults. It will explore the intersection of technology, social dynamics, and psychological well-being by developing a comprehensive literature review that synthesizes insights from previous studies that focused on relationships between online dating apps and their impact on mental health. The influence of online dating on individuals' mental well-being can progressively lead to heightened levels of stress, anxiety, fluctuations in self-esteem, and negative impacts on social skills. While there are positives to engaging and socializing through dating apps, it is important to look at the potential negative impacts associated with the apps. In conclusion, developing a balance between online and offline interactions and prioritizing personal well-being is crucial for mitigating the potential negative mental health effects associated with online dating.

Wazinski, Skylar

Motivations of Undergraduate Speech-Language Pathology Students

This qualitative study explored the motivations of undergraduate Speech-Language Pathology students. Participants were interviewed and reported characteristics they believe are necessary to be successful clinicians, personal motivations, exposure to the field, career expectations, and predicted job satisfaction. Qualitative analyses using a consensual approach found themes in personality characteristics of passion, empathy, drive, and patience, and suggested relationships between motivations such as job flexibility, rewarding outcomes, and the ability to make a long-lasting difference in other's lives.

Weinberger, Haley

The Effects COVID-19 had on Children with Autism Spectrum Disorders

Individuals with neurodivergent conditions, such as autism spectrum disorder (ASD), faced heightened challenges during the unprecedented times of the pandemic. This paper will examine the multifaceted impact of the COVID-19 pandemic on children with autism, emphasizing disruptions in their education, treatment, mental health, behavior, and overall progress toward achieving their goals. The lack of regular routines, schooling, and therapy during the pandemic has significantly affected these individuals, and exploring the effectiveness of telehealth support is crucial for addressing whether this modality can help satisfy those needs. For these reasons, it is imperative that we provide children with ASD with all the necessary tools to thrive as future leaders and active members of society. We also need to determine the lasting effects of the pandemic on the cognitive, behavioral, and social development of these children.

Wynne, Emily

To Build a World: Crafting a Diverse Young Adult Novel

Release is a collection of poetry focused on mental health and emotions. Through expressive writing, I have been able to create poetry that allows me to let out my strong emotions in a healthy and productive way. These poems focus on my struggles but also my victories with mental illness, and have allowed me to reflect on my growth. The second half of my collection will include an essay that utilizes Expressive Writing prompts and activities, as well as a reflection on what I have gained from these exercises. I will also be discussing the benefits of expressive writing on mental health, and how using writing to release emotions is healthy and productive for anyone to maintain emotional well-being. *Release* represents the end product of a process that has helped me and, I believe, can help everyone.

Yahia, Didar Mohammed

Comprehensiveness, Inclusivity, and Accessibility of U.S. State Newborn Screening Public Health Websites

Newborn Screening (NBS) is a public health initiative that screens treatable conditions early in the child's life to either prevent the condition from worsening or make it manageable with interventions. Few studies assess the content of NBS websites directed at parents or families across each state. The purpose of this study is to analyze the content, inclusivity, and accessibility of NBS state websites. The research will inform areas of improvement for NBS websites. The study assesses the clarity and quality of explanations of NBS. The accessibility and inclusivity of websites were quantitatively analyzed through the reading level, the use of videos/brochures/infographics/images of minority populations, and the availability of multilingual resources. This research will share study findings on the content, clarity, accessibility, and inclusivity of NBS websites. The study will identify model NBS websites, such as California, and make recommendations based on the aforementioned findings.

Yorobe, Johann

In the Studio: Capturing the Magic of Collaborative Music

Music is intrinsically human and is a collaborative experience. Something is awakened in the human spirit when music is organic and real. Music is collaborative, be it with an audience and a musician or a musician and other musicians. This project uses video to document the magic of live music making in the recording studio utilizing recording technology in order to be shared. Recorded in the state-of-the-art William Paterson recording studio, 9 musicians were brought in to record a live set of 4 songs. All crammed in the same room, we captured not only the joy, the synergy, and unity of live music but also the messiness and imperfection of the human component. In the room were 7 cameras that captured different angles of the session. Both components of audio and visual hopefully create a piece that encourages and inspires those who view it.

Yousaf, Helen

Closed Captioning: Culturally Competent and Linguistically Concordant Healthcare

Cultural competency (CC) and linguistic concordance (LC) in healthcare are known to impact clinical and nonclinical health outcomes, including patient trust and adherence, provider satisfaction, and blood metrics. CC and LC are especially important for refugee health providers who must accommodate the nuanced health profiles and needs of their patients. This research analyzes the content and specificity of best-practice resources for providers of Afghan, Syrian, and Ukrainian refugees. They are compared to CC recommendations produced by the FDA, HHS Office of Minority Health, and WHO. This research includes an applied health project in which culturally tailored and linguistically adapted health education materials are created based on priority health conditions for these populations. Health organizations worldwide have varying levels of specificity in their best practice recommendations and do not include all relevant information. Healthcare workers require a concise and comprehensive care checklist to ensure standard quality of care for refugees worldwide.

Zmuda, Julianne

The Summer of Souls: A Novel

The Summer of Souls is a contemporary fantasy novel that enmeshes old world magical elements together with a modern setting. With characters inspired by both biblical and mythical backgrounds, The Summer of Souls addresses themes of grief, connection, and humanity. It is set in the seemingly sleepy shore town of Kearny, Massachusetts, where, in fact, a world of rituals, sacrifice, magic, and murder bubbles beneath the surface. The story is narrated by Morgan Parker. The novel begins at the funeral of the family matriarch, Gaia. As Morgan discovers her own twisted family tree, the cost of her life comes to haunt her. Though Morgan's life has never been easy, the road ahead seems Impossible. She is forced to choose between saving the lives of innocent strangers and saving her own humanity: thus, discovering what it truly means to be human.

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