

# WILLIAM PATERSON UNIVERSITY



## HONORS RESEARCH WEEK 2021

*in conjunction with*

### EXPLORATIONS 2021

*Research, Scholarship, and Creative Expression*

#### SCHEDULE AT A GLANCE

#### **TUESDAY, APRIL 13**

**12:30 — 5:15**

Presentations by students in the following Honors Tracks:  
Biology and Business

**7:00 — 9:00 P.M.**

Presentations by students in the  
Honors Performing and Literary Arts Track.

#### **WEDNESDAY, APRIL 14**

**10:00 A.M. — 3:15 P.M.**

Presentations by students in the following Honors Tracks:  
Humanities, Social Sciences, and Cognitive Science

#### **THURSDAY, APRIL 15**

**9:00 A.M. — 5:00 P.M.**

Presentations by students in the following Honors Tracks:  
Nursing, Clinical Psychology and Neuropsychology,  
Independent, and Music

*Please see the full schedule on page 2. Students will present in a Zoom Webinar format. Links for each day will be available closer to the event.*

*Please email [Honors@wpunj.edu](mailto:Honors@wpunj.edu) with questions or link requests.*

#### ABOUT HONORS WEEK AND EXPLORATIONS 2021

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 Week/Explorations 2021!

For more information please visit:  
<http://www.wpunj.edu/osp/explorations/>

#### 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 154**  
300 Pompton Road  
Wayne, New Jersey  
[honors@wpunj.edu](mailto:honors@wpunj.edu)  
[www.wpunj.edu/honors](http://www.wpunj.edu/honors)

**TUESDAY, APRIL 13**

12:30	Jhamani Ashcraft (BIO)
12:45	Jannat Begum (BIO)
1:00	Joseph Croce (BIO)
1:15	Jaimie Pasmينو (BIO)
1:30	Jamie Reulbach (BIO)
1:45	Christal Rolling (BIO)
	<b>BREAK</b>
2:15	Honacy Beco (BU)
2:30	Alexis Cardenas (BU)
2:45	Evan Smith (BU)
3:00	Bess Heifetz-Licht (BU)
3:15	Craig Jackowski (BU)
3:30	Desiree McCray-Clark (BU)
3:45	Michael Creighton (BU)
4:00	Stevencia Callie Dantes (BU)
4:15	Pooja Patel (BU)
4:30	Georgiana Pearson (BU)
4:45	Gianna Coscia (BU)
5:00	Faisal Souid (BU)

**WEDNESDAY, APRIL 14**

10:00	Matthew Alecci (HUM)
10:15	Huda Qasem (HUM)
10:30	Edgar Coronel (HUM)
10:45	Jizzar Alvarado Garcia (HUM)
11:00	Maxwell Johnson (HUM)
11:15	Jonah Balagtas (HUM)
11:30	Nikita Duncan (SSH)
11:45	Ema Jacketti (SSH)
12:00	Lauren Kreutzer (SSH)
12:15	Brittany Moore (SSH)
12:30	Sarah Myers (SSH)
12:45	Nicole Stroh (SSH)
	<b>BREAK</b>
1:15	Brooke Elliott (CGSI)
1:30	Nicole Evangelista Munante (CGSI)
1:45	Jayde Onori (CGSI)
2:00	Tiffanie Sanjuan (CGSI)
2:15	Artemia Savva (CGSI)
2:30	Max Skelly (CGSI)
2:45	Theresa Abou-Daoud (CGSI)
3:00	Alexandra Bonner (CGSI)

**THURSDAY, APRIL 15**

9:00	Chiamaka Anyanwu (NUR)
9:15	Rica Baltazar (NUR)
9:30	Mark Ryan Caguitla (NUR)
9:45	Thomas Drahuschak (NUR)
10:00	Nitasha Garg (NUR)
10:15	Amanda Ivos (NUR)
	<b>BREAK</b>
10:45	Alissa Johnson (NUR)
11:00	Gwynneth Lacaba (NUR)
11:15	Eunji Lee (NUR)
11:30	Rachel Moutis (NUR)
11:45	Sheila Noonan (NUR)
12:00	Joshua Ozawa-Morriello (NUR)
	<b>BREAK</b>
12:30	Maria Pena (NUR)
12:45	Lauren Sullivan (NUR)
1:00	Varsha Ann Thottananiyil (NUR)
1:15	Danielle Williams (NUR)
1:30	Catherine Mueller (CP)
1:45	Shane Perkins (CP)
2:00	Alyssa Verdes (CP)
2:15	Victor Costantini (CP)
2:30	<b>BREAK</b>
2:45	<b>BREAK</b>
3:00	Ina Sharma (IND)
3:15	Alex De Lazzari (MUS)
3:30	Peter Hunter (MUS)
3:45	William McKee (MUS)
4:00	Kendra Chaiken (MUS)
4:15	Anna Hill (MUS)
4:30	Gwynne Stevenson (MUS)
4:45	Alexander Kerssen (MUS)

**Performing & Literary Arts Track**  
**Tuesday, 4/13—7:00 p.m.**

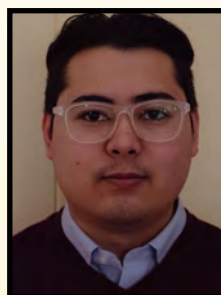
Jonah Arnault
Ruby Constantino
Paul Cuffari
Matthew De Martini
Timothy Derkas
Tiernan Doyle
Lauryn Lupino
Anthony Salimbene
Christian Sasso
Kathleen Sillen
Cassandra Soto
Kyle Villareal
Julian Worden

<b>TRACK CODES</b>	
<b>BIO</b>	<b>Biology</b>
<b>BU</b>	<b>Business</b>
<b>CGSI</b>	<b>Cognitive Science</b>
<b>CP</b>	<b>Clinical Psy. &amp; Neuropsych.</b>
<b>HUM</b>	<b>Humanities</b>
<b>IND</b>	<b>Independent</b>
<b>MUS</b>	<b>Music</b>
<b>NUR</b>	<b>Nursing</b>
<b>PLA</b>	<b>Performing and Literary Arts</b>
<b>SSH</b>	<b>Social Sciences</b>

*Students will present in a Zoom Webinar format. Links for each day will be available closer to the event. Please email [Honors@wpunj.edu](mailto:Honors@wpunj.edu) with questions or link requests.*



**THERESA ABOU-DAOUD**  
**Honors Track:** Cognitive Science  
**Major:** Music (Popular Music)  
**Thesis Title:** *Measuring Motivations for Music Event Attendees in Live, Virtual and Holographic Settings*  
**Thesis Advisor:** Dr. David Freestone



**JONAH BALAGTAS**  
**Honors Track:** Humanities  
**Majors:** Secondary Education (K-12) and English Literature  
**Thesis Title:** *A Critical and Historical Analysis of Lino Brocka's Inisang and Maynila sa mga Kuko ng Liwanag*  
**Thesis Advisor:** Dr. K. Molly O'Donnell



**MATTHEW ALECCI**  
**Honors Track:** Humanities  
**Major:** Computer Science  
**Thesis Title:** *The World Is Cruel. "The World is Wicked": Disney Villains and Why We Love to Hate Them*  
**Thesis Advisor:** Dr. K. Molly O'Donnell



**RICA BALTAZAR**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Exploring the Preceptor Role: Preceptor's Perception of Support and Commitment*  
**Thesis Advisor:** Dr. Jill Nocella



**JIZZAR ALVARADO GARCIA**  
**Honors Track:** Humanities  
**Major:** Sociology- General  
**Thesis Title:** *The Decade of Love: the Birth of a Psychedelic Culture*  
**Thesis Advisor:** Dr. K. Molly O'Donnell



**HONACY BECO, JR.**  
**Honors Track:** Business  
**Major:** Finance  
**Thesis Title:** *Millennials' Motivations for Green Consumption*  
**Thesis Advisor:** Dr. Mike Chao



**CHIAMAKA ANYANWU**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Maternal Mortality Among African American Women: An Integrative Review*  
**Thesis Advisor:** Dr. Jill Nocella



**JANNAT BEGUM**  
**Honors Track:** Biology  
**Major:** Biology  
**Thesis Title:** *Characterization of Trans-AT PKS Sequences in *Karenia brevis**  
**Thesis Advisors:** Dr. Emily Monroe and Dr. Joseph Spagna



**JONAH ARNAULT**  
**Honors Track:** Performing and Literary Arts  
**Major:** Communication (Media Production)  
**Thesis Title:** *Catching the Casting Bug: A Documentary on the Rise of Casual Broadcasting*  
**Thesis Advisor:** Dr. Philip Cioffari



**ALEXANDRA BONNER**  
**Honors Track:** Cognitive Science  
**Majors:** Elementary Education and Psychology  
**Thesis Title:** *The Effects of Brain Breaks on Student's Attention*  
**Thesis Advisor:** Dr. David Freestone



**JHAMANI ASHCRAFT**  
**Honors Track:** Biology  
**Major:** Biology  
**Thesis Title:** *Comparing Birth Complications in Midwife and Obstetrician-led Care*  
**Thesis Advisors:** Dr. Miryam Wahrman and Dr. Joseph Spagna



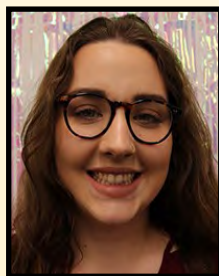
**MARK RYAN CAGUITLA**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Analysis of Undergraduate Nursing Students' Satisfaction of Their Clinical Experience and Their Readiness for Practice*  
**Thesis Advisor:** Dr. Jill Nocella



**ALEXIS CARDENAS**  
**Honors Track:** Business  
**Major :** Accounting  
**Thesis Title:** *Exercise in the Workplace*  
**Thesis Advisor:** Dr. Mike Chao



**MICHAEL CREIGHTON, JR.**  
**Honors Track:** Business  
**Major:** Finance  
**Thesis Title:** *Working Remotely and its Effect on Productivity*  
**Thesis Advisor:** Dr. Mike Chao



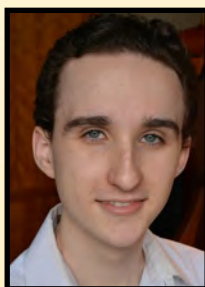
**KENDRA CHAIKEN**  
**Honors Track:** Music  
**Major:** Music Education  
**Thesis Title:** *The Other Side of the Band: The Disparities in Women Band Directors Compared to Men and the Outlying Factors*  
**Thesis Advisors:** Dr. Christopher Herbert



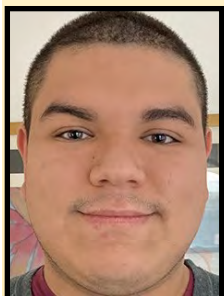
**JOSEPH CROCE**  
**Honors Track:** Biology  
**Major:** Biology  
**Thesis Title:** *Identification and Development of New Unique Primer Pair Sequences of Myxobacterial Species using a Cladistical Analysis*  
**Thesis Advisors:** Dr. Kendall Martin and Dr. Joseph Spagna



**RUBY CONSTANTINO**  
**Honors Track:** Performing and Literary Arts  
**Majors:** Africana World Studies and Women's and Gender Studies  
**Thesis Title:** *The Witching Hour: A Collection of Gothic Horror Stories*  
**Thesis Advisor:** Dr. Philip Cioffari



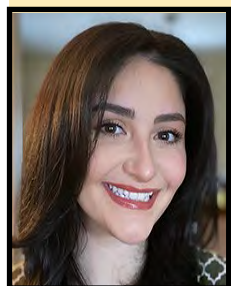
**PAUL CUFFARI**  
**Honors Track:** Performing and Literary Arts  
**Major:** Jazz Bass Performance  
**Thesis Title:** *An Introduction to Modern Music Production*  
**Thesis Advisor:** Dr. Philip Cioffari



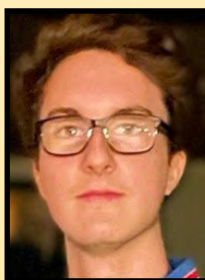
**EDGAR CORONEL**  
**Honors Track:** Humanities  
**Major:** Communication (Media Production)  
**Thesis Title:** *Roma Legatis (The Roman Legacy)*  
**Thesis Advisor:** Dr. K. Molly O'Donnell



**STEVENCIA CALLIE DANTES**  
**Honors Track:** Business  
**Majors:** Economics and Finance  
**Thesis Title:** *The Impact of Wages on Productivity: A Perspective of Human Capital Investments*  
**Thesis Advisor:** Dr. Mike Chao



**GIANNA COSCIA**  
**Honors Track:** Business  
**Majors:** Accounting and Finance  
**Thesis Title:** *Influence of the Social Media Networking Site, LinkedIn, on the Hiring Process Decisions*  
**Thesis Advisor:** Dr. Mike Chao



**ALEX DE LAZZARI**  
**Honors Track:** Music  
**Major:** Jazz Performance  
**Thesis Title:** *Harmonic Chord Substitution: A Theoretical Guide to Understanding and Implementing Alternate Progressions in a Jazz Context*  
**Thesis Advisors:** Dr. Timothy Newman and Dr. Christopher Herbert



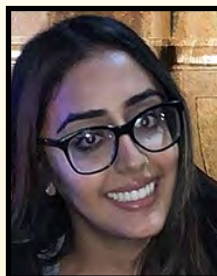
**VICTOR COSTANTINI, IV**  
**Honors Track:** Clinical Psychology and Neuropsychology  
**Majors :** Secondary Education (K-12) and Spanish: World Language  
**Thesis Title:** *Developing a Framework for Understanding the Impact of Language on Alzheimer's and Dementia: A Comprehensive Review of the Literature*  
**Thesis Advisors:** Professor Randi Ona and Dr. Bruce Diamond



**MATTHEW DE MARTINI**  
**Honors Track:** Performing and Literary Arts  
**Major:** Fine Arts  
**Thesis Title:** *Everyone But You*  
**Thesis Advisor:** Dr. Philip Cioffari



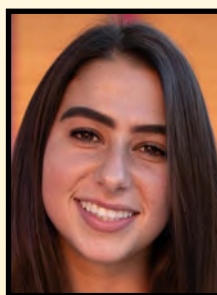
**TIMOTHY DERKAS**  
**Honors Track:** Performing and Literary Arts  
**Major:** Communication (Media Production)  
**Thesis Title:** *The Search (a Short Film)*  
**Thesis Advisor:** Dr. Philip Cioffari



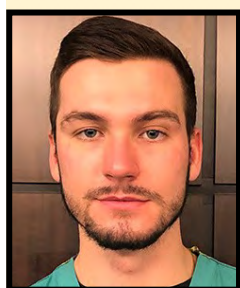
**NITASHA GARG**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *The Impact of South Asian Culture on Attitudes and Beliefs Regarding Mental Health*  
**Thesis Advisor:** Dr. Jill Nocella



**TIERNAN PATRICK DOYLE**  
**Honors Track:** Performing and Literary Arts  
**Majors:** Communication (Broadcast Journalism and Public Relations)  
**Thesis Title:** *Viequense: A Firsthand Account of Puerto Rico following Hurricane Maria*  
**Thesis Advisor:** Dr. Philip Cioffari



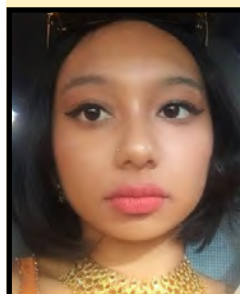
**BESS HEIFETZ-LICHT**  
**Honors Track:** Business  
**Majors:** Management and Marketing  
**Thesis Title:** *An Analysis of Consumer Behavior Changes Due to Covid-19*  
**Thesis Advisor:** Dr. Mike Chao



**THOMAS DRAHUSCHAK**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Quality of Sleep Related to Patient Outcomes in Intensive Care Units*  
**Thesis Advisor:** Dr. Jill Nocella



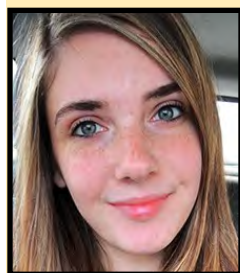
**ANNA G. HILL**  
**Honors Track:** Music  
**Major:** Classical Voice– Music Education  
**Thesis Title:** *Disney's Early Film Scores and their Correlation to the Psychology of Nostalgia*  
**Thesis Advisors:** Dr. Anton Vishio and Dr. Christopher Herbert



**NIKITA DUNCAN**  
**Honors Track:** Social Sciences  
**Major:** Psychology  
**Thesis Title:** *Human versus Animal Life: Is human life worth more than animal life?*  
**Thesis Advisor:** Dr. Neil J. Kressel



**PETER ROBERT HUNTER**  
**Honors Track:** Music  
**Major:** Jazz Studies  
**Thesis Title:** *A New Approach to Guitar Education: A Comprehensive Method to Learning the Guitar*  
**Thesis Advisors:** Dr. Timothy Newman and Dr. Christopher Herbert



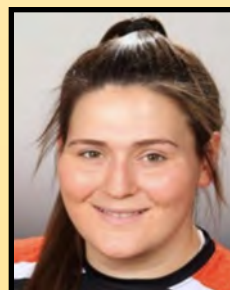
**BROOKE ELLIOTT**  
**Honors Track:** Cognitive Science  
**Major:** Psychology  
**Thesis Title:** *How do our childhood experiences affect academic motivation?*  
**Thesis Advisor:** Dr. David Freestone



**AMANDA LEE IVOS**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Nurses with Physical Disabilities*  
**Thesis Advisor:** Dr. Jill Nocella



**NICOLE EVANGELISTA MUNANTE**  
**Honors Track:** Cognitive Science  
**Major:** Mathematics  
**Thesis Title:** *Why Students Love or Hate Math*  
**Thesis Advisor:** Dr. David Freestone



**EMA JACKETTI**  
**Honors Track:** Social Sciences  
**Major:** Political Science  
**Thesis Title:** *Fictional Lesbian Characters on Television: A Content Analysis*  
**Thesis Advisor:** Dr. Neil J. Kressel



**CRAIG JACKOWSKI, JR.**

**Honors Track:** Business  
**Major:** Marketing  
**Thesis Title:** *The Effects of Age & Social Media Marketing on Consumers' Willingness to Pay Online and Decision to Perform Customer Switching.*  
**Thesis Advisor:** Dr. Mike Chao



**EUNJI LEE**

**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Are Culturally Diverse Women Satisfied with their Quality of Maternity Care?*  
**Thesis Advisor:** Dr. Jill Nocella



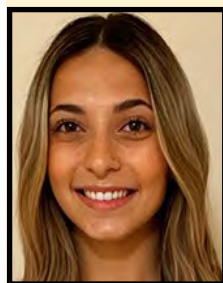
**MAXWELL JOHNSON**

**Honors Track:** Humanities  
**Major:** History  
**Thesis Title:** *Saint George and the Antiochian Trinity: Contextualizing the development of major Warrior Saints*  
**Thesis Advisor:** Dr. K. Molly O'Donnell



**LAURYN LUPINO**

**Honors Track:** Performing and Literary Arts  
**Major:** English  
**Thesis Title:** *Grief, Grace, and Chocolate Cake; A One-Year Memoir*  
**Thesis Advisor:** Dr. Philip Cioffari



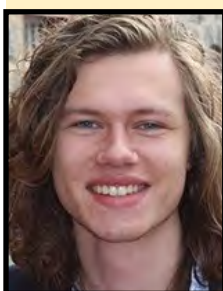
**ALISSA R. JOHNSON**

**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Undergraduate Nursing Students' Knowledge and Willingness to Care for the Growing Geriatric Population*  
**Thesis Advisor:** Dr. Jill Nocella



**DESIREE MCCRAY-CLARK**

**Honors Track:** Business  
**Major:** Business Administration  
**Thesis Title:** *How green are you? Does Environmental Self-Identity Have a Relationship with Green Consumption?*  
**Thesis Advisor:** Dr. Mike Chao



**ALEXANDER KERSSSEN**

**Honors Track:** Music  
**Major:** Music Education  
**Thesis Title:** *What Makes an Etude an Etude: The Art of Pedagogical Composition*  
**Thesis Advisor:** Dr. Carl Bolleia and Dr. Christopher Herbert



**WILLIAM A. MCKEE**

**Honors Track:** Music  
**Majors:** Emphasis in Music Entertainment Industries and Jazz  
**Thesis Title:** *Thad Jones: The Influence of Life Experience on Musical Expression*  
**Thesis Advisors:** Dr. David Demsey and Dr. Christopher Herbert



**LAUREN KREUTZER**

**Honors Track:** Social Sciences  
**Major:** Communication (Media Production)  
**Thesis Title:** *Psychology Behind Horror Film*  
**Thesis Advisors:** Dr. William Indick and Dr. Neil J. Kressel



**BRITTANY MOORE**

**Honors Track:** Social Sciences  
**Major:** Athletic Training  
**Thesis Title:** *Comparing the Protests: Does Colin Kaepernick's Protest Stand Out From the Rest?*  
**Thesis Advisor:** Dr. Neil J. Kressel



**GWYNNETH LACABA**

**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Nurses' Attitudes and Perceptions Toward Language Discordance: A Qualitative Study*  
**Thesis Advisor:** Dr. Jill Nocella



**RACHEL MOUTIS**

**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *How Does Nutrition Affect Mood in Young Adults?*  
**Thesis Advisor:** Dr. Jill Nocella



**CATHERINE MUELLER**  
**Honors Track:** Clinical Psychology and Neuropsychology  
**Major:** Psychology  
**Thesis Title:** *COVID-19 & Its Impact on Mental Health*  
**Thesis Advisor:** Dr. Bruce Diamond



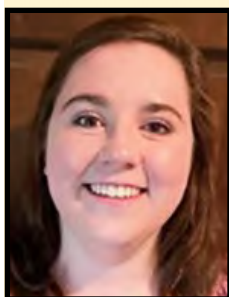
**POOJA PATEL**  
**Honors Track:** Business  
**Majors:** Economics, Management and Marketing  
**Thesis Title:** *The Positive Impact of Extrinsic and Intrinsic Motivators in the Workplace.*  
**Thesis Advisor:** Dr. Mike Chao



**SARAH N. MYERS**  
**Honors Track:** Social Sciences  
**Major:** Athletic Training  
**Thesis Title:** *Understanding Unified Programs and Integrating People with Disabilities Into Communities*  
**Thesis Advisors:** Dr. Michael Laughlin and Dr. Neil Kressel



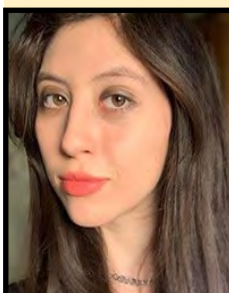
**GEORGIANA PEARSON**  
**Honors Track:** Business  
**Major:** Finance  
**Thesis Title:** *Are We Breaking the Glass Ceiling? Female Representation in Top Management*  
**Thesis Advisor:** Dr. Mike Chao



**SHEILA MARIE NOONAN**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Factors Affecting School Nurse Job Satisfaction in New Jersey*  
**Thesis Advisor:** Dr. Jill Nocella



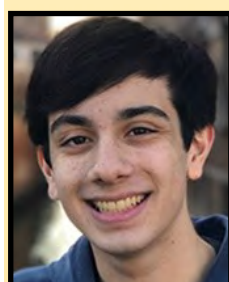
**MARIA PENA**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *The Effects of Bullying in the Workplace on The Nursing Profession: A Systematic Review of the Literature*  
**Thesis Advisor:** Dr. Jill Nocella



**JAYDE ONORI**  
**Honors Track:** Cognitive Science  
**Major:** Music (Popular Music)  
**Thesis Title:** *Effects of social media use on relationship satisfaction and anxiety*  
**Thesis Advisor:** Dr. David Freestone



**SHANE ETHAN PERKINS**  
**Honors Track:** Clinical Psychology and Neuropsychology  
**Major:** Psychology  
**Thesis Title:** *Stress and Anxiety for Healthcare Workers During COVID-19*  
**Thesis Advisor:** Dr. Bruce Diamond



**JOSHUA OZAWA-MORRIELLO**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Patient Blood Management: Effectiveness, Global Implementation, and Nursing Education*  
**Thesis Advisor:** Dr. Jill Nocella



**HUDA QASEM**  
**Honors Track:** Humanities  
**Majors:** Legal Studies and Political Science  
**Thesis Title:** *How Islamophobia is Portrayed on Television*  
**Thesis Advisor:** Dr. K Molly O'Donnell



**JAIMIE PASMINO**  
**Honors Track:** Biology  
**Major:** Biology  
**Thesis Title:** *Effects of Dehydration on Beta-Amyloid Aggregation Literature Review*  
**Thesis Advisors:** Dr. Sonya Bierbower and Dr. Joseph Spagna

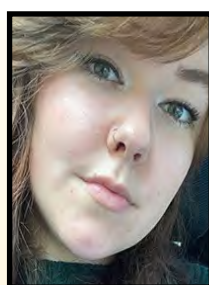


**JAMIE CAROLYN REULBACH**  
**Honors Track:** Biology  
**Major:** Biology  
**Thesis Title:** *Interval Timing Precision in Mice with Chronic Traumatic Brain Injury*  
**Thesis Advisors:** Dr. David Freestone and Dr. Joseph Spagna



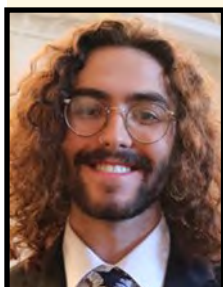
**CHRISTAL ROLLING**

**Honors Track:** Biology  
**Major:** Biology  
**Thesis Title:** *A bioinformatical study of variations between Candida genes potentially responsible for antifungal tolerance and resistance*  
**Thesis Advisor:** Dr. Joseph Spagna



**KATHLEEN E. SILLEN**

**Honors Track:** Performing and Literary Arts  
**Major:** Music Education (Instrumental)  
**Thesis Title:** *A Collection of Moments*  
**Thesis Advisor:** Dr. Philip Cioffari



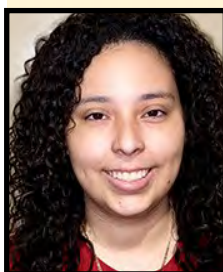
**ANTHONY SALIMBENE**

**Honors Track:** Performing and Literary Arts  
**Major:** Music Education  
**Thesis Title:** *Images of Jersey*  
**Thesis Advisor:** Dr. Philip Cioffari



**MAX SKELLY**

**Honors Track:** Cognitive Science  
**Majors:** Criminology and Criminal Justice and History  
**Thesis Title:** *Sleep Patterns and Anxiety's Effects on Academic Performance*  
**Thesis Advisor:** Dr. David Freestone



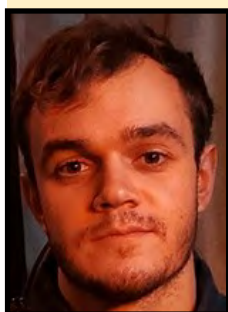
**TIFFANIE SANJUAN**

**Honors Track:** Cognitive Science  
**Major:** Psychology  
**Thesis Title:** *Athletic Injuries Affect Self Esteem*  
**Thesis Advisor:** Dr. David Freestone



**EVAN SMITH**

**Honors Track:** Business  
**Major:** Financial Planning  
**Thesis Title:** *Work Environment and Job Satisfaction*  
**Thesis Advisor:** Dr. Mike Chao



**CHRISTIAN SASSO**

**Honors Track:** Performing and Literary Arts  
**Major:** Athletic Training  
**Thesis Title:** *B34.9*  
**Thesis Advisor:** Dr. Philip Cioffari



**CASSANDRA SOTO**

**Honors Track:** Performing and Literary Arts  
**Majors:** Secondary Education (K-12) and English Writing  
**Thesis Title:** *A Collection of Moments*  
**Thesis Advisor:** Dr. Philip Cioffari



**ARTEMIA SAVVA**

**Honors Track:** Cognitive Science  
**Major:** Communication Disorders and Sciences  
**Thesis Title:** *Relationship between Working Memory and Written Language Production*  
**Thesis Advisor:** Dr. David Freestone



**FAISAL SOUID**

**Honors Track:** Business  
**Major:** Business Management  
**Thesis Title:** *Unemployment & Covid-19*  
**Thesis Advisor:** Dr. Mike Chao



**INA SHARMA**

**Honors Track:** Independent  
**Major:** Health Studies  
**Thesis Title:** *The Mental Health Impact of COVID-19 on Healthcare Workers*  
**Thesis Advisor:** Dr. Barbara Andrew



**GWYNNE M. STEVENSON**

**Honors Track:** Music  
**Major:** Music (Popular Music)  
**Thesis Title:** *Concerts Before, During, and After: The Effect of the Coronavirus Pandemic on the Live Music Industry*  
**Thesis Advisor:** Dr. Christopher Herbert





**NICOLE STROH**  
**Honors Track:** Social Sciences  
**Major:** Psychology  
**Thesis Title:** *Determinants of Job Satisfaction*  
**Thesis Advisor:** Dr. Neil J. Kressel



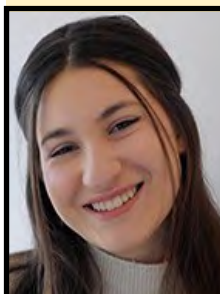
**JULIAN WORDEN**  
**Honors Track:** Performing and Literary Arts  
**Major:** Music (Popular Music)  
**Thesis Title:** *Poems of Sorts*  
**Thesis Advisor:** Dr. Philip Cioffari



**LAUREN SULLIVAN**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Registered Nurses' Comfort with Pediatric Resuscitation*  
**Thesis Advisor:** Dr. Jill Nocella



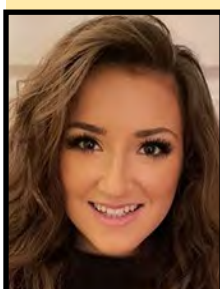
**VARSHA ANN THOTTANANIYIL**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Effect of Planned Napping on Fatigue in Nurses Working During 12-hour Night Shift*  
**Thesis Advisor:** Dr. Jill Nocella



**ALYSSA VERDES**  
**Honors Track:** Clinical Psychology and Neuropsychology  
**Major:** Psychology  
**Thesis Title:** *Pediatric Autoimmune Disorder Associated with Streptococcal Infection (PANDAS): Behavioral and Physical Effect's Overview*  
**Thesis Advisors:** Professor Randi Ona and Dr. Bruce Diamond



**KYLE VILLAREAL**  
**Honors Track:** Performing and Literary Arts  
**Major:** Sound Engineering Arts  
**Thesis Title:** *Limitations in Music: Creating with the Bare Essentials*  
**Thesis Advisor:** Dr. Philip Cioffari



**DANIELLE ANNE WILLIAMS**  
**Honors Track:** Nursing  
**Major:** Nursing  
**Thesis Title:** *Undergraduate Nursing Students' Attitudes Towards the Care of Dying Patients*  
**Thesis Advisor:** Dr. Jill Nocella

**WILLIAM PATERSON UNIVERSITY  
 HONORS COLLEGE**

**Barbara Andrew**  
 Dean

**Jan Pinkston**  
 Assistant Director

**West Moss**  
 Academic Programs Specialist

**Brielle Eisler**  
 Graduate Assistant

**Julianna McVeigh**  
 Student Assistant

**— TRACK DIRECTORS —**

**Dr. Barbara Andrew**  
 Independent

**Dr. Amy Learmonth\***  
 Cognitive Science

**Dr. Chen-Ho (Mike) Chao**  
 Business

**Dr. Jill Nocella**  
 Nursing

**Dr. Philip Cioffari**  
 Performing and Literary Arts

**Dr. K. Molly O'Donnell**  
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**Dr. Bruce Diamond**  
 Clinical Psychology and Neuropsychology

**Dr. Joseph Spagna**  
 Biology

**Dr. Lauren Fowler-Calisto\***  
 Music

**Marianne Sullivan**  
 Global Public Health

**Dr. Neil Kressel**  
 Social Sciences

\* **Dr. David Freestone** is serving as interim Director of the Cognitive Science Track for the 2020-2021 Academic Year.

\* **Professor David Kerzner** served as interim Director of the Music Track for the fall 2020 semester.

\* **Dr. Christopher Herbert** is serving as interim Director of the Music Track for the spring 2021 semester.

# HONORS WEEK PRESENTATION ABSTRACTS

(Alphabetical order by presenter's last name)

**ABOU-DAOUD, THERESA**

## ***Measuring Motivations for Music Event Attendees in Live, Virtual and Holographic Settings***

The theories of how music event attendees are motivated in attending performances have yet to be tested in terms of virtual live streaming music events. The purpose of this study is to determine these motivators in comparison to in-person live music events and holographic music events. Motivators were tested via survey by rating agreement with statements alluding to one of ten motivators used. Preliminary analysis revealed that aesthetics is the most commonly important aspect of any music event. Additionally, physical skill is most important for in-person live and virtual live streaming events, while social interaction is most important for holographic music events.

**ALECCI, MATTHEW**

## ***The World is Cruel. The World is Wicked: Disney Villains and Why We Love to Hate Them***

Many Disney animation characters are almost instantly recognizable, and this holds surprisingly true for the villains of these movies. In the Lion King, for example, Scar plots to become king of the pride with the best songs and lines in the film, "Long Live the King." Disney villains are unique and simultaneously hated and beloved by fans. My thesis looks at the reasons why these villains are so appealing to fans. Researching the animation and characterization of these villains from the 1990s through 2000s, my thesis examines what traits they share including their distinctively charismatic personalities, animation styles, and voice-overs to emphasize their commonalities despite their surface differences. I look into each of their original source material and determine how Disney changed these villains to fit their purposes. I conclude that the Disney formula for its villains in an essential part of its branding success behind the global entertainment behemoth.

**ALVARADO GARCIA, JIZZAR**

## ***The Decade of Love: The Birth of a Psychedelic Culture***

The decade of the 1960's witnessed the rise of a counterculture centered around experimentation in psychedelic culture and music at large concerts, festivals, and gatherings, culminating in the Summer of Love in San Francisco. My thesis finds that the use and popularization of the psychedelic drug LSD transformed the era. Accounts from influential figures of the decade detail how they promoted the recreational use of LSD, gave rise to the psychedelic rock scene, and cemented the powerful counterculture that sought spiritual and social freedom through both drugs and music. Key examples include the autobiographies of former Harvard researchers Timothy Leary and Richard Alpert, as well as the members of the Grateful Dead, the Beatles, and LSD producer and distributor Owsley Stanley. In this project I explore how numerous factors contributed to the rock-and-rolling, drug-abusing, norm-breaking counterculture which had a lasting impact in American culture and music.

**ANYANWU, CHIAMAKA**

## ***Maternal Mortality Among African American Women: An Integrative Review***

It is well documented that African American/non-Hispanic Black women have higher rates of maternal mortality compared to their Hispanic and non-Hispanic white counterparts. The purpose of this systematic review was to analyze current literature addressing the risk factors of maternal mortality among African American women and the interventions that have been implemented effectively to reduce the mortality rates on a community level. A review of studies that included maternal mortality risk factors among African American/Black women populations, specific community interventions, and discussion of social determinants/disparities was conducted. Analysis of the existing literature disclosed that in many circumstances, maternal mortality rates among African American/Black women can be addressed within communities to reduce high rates and improve pregnancy outcomes. Further integrative studies are needed to substantiate the importance and benefits of community-based interventions relating to maternal mortality.

**ARNAULT, JONAH**

## ***Catching the Casting Bug: A Documentary on the Rise of Casual Broadcasting***

Due to many factors, including advancements in technology, it has never been easier and more accessible to write, produce, edit, and publish one's own creative endeavors. One of these endeavors is creating a podcast. Catching the Casting Bug is a short documentary that discusses how and why podcasting has become increasingly popular and accessible to people living in our modern technological age. The topics of podcasting and broadcasting in general are discussed through interviews with several podcast hosts, producers, and editors from several professional backgrounds and throughout the field of media production. The short film also touches on other topics such as the advancement of audio production technology and how these technological advancements have caused a new auditorily accessible era.

**ASHCRAFT, JHAMANI**

## ***Comparing Birth Complications in Midwife and Obstetrician-led Care***

The management of labor progression has been observed by a number of processes that have varied throughout the years based on different categories of physicians, such as obstetricians and/or midwives. Typically, to avoid prolonged labor complications, obstetricians follow a general 2-hour minimum rule of thumb for labor arrest and onset of intervention mechanisms. However, midwives follow a method of care that can be described as high-touch with low-intervention whenever possible. In a 2018 Singapore study, it was found that after comparing births under obstetrician-led care and births under midwife-led care, they were able to reduce the proportion of cesarean births. Expanding on this study and the analysis of the 2-hour rule and standard labor management curves, this study tested the cesarean rates and

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maternal mortality rates for women in labor under midwife-led care versus those under obstetrician-led care among nulliparous, low-risk term women in the United States.

Understanding the relationship between the method of labor care and maternal mortality in addition to cesarean rates in the United States could help to explain the high cesarean rate in the U.S. today, in addition to rising mortality rates.

**BALAGTAS, JONAH**

### *A Critical and Historical Analysis of Lino Brocka's Inisang and Maynila sa mga Kuko ng Liwanag*

Lino Brocka, in his early films *Inisang* and *Maynila sa mga Kuko ng Liwanag*, introduced the Filipino population of the early to mid-1970s to a bleak depiction of the working-class struggles of fellow Filipinos in Manila. His films showcase the immorality and horror of poverty using elements of film noir. Filipino cinema, at this point in time, was historically full of melodrama, romance, and comedy films that entertained instead of educated. Brocka critiques the political and social turmoil during the Marcos regime obliquely by appropriating popular Filipino cinematic tropes found in romance and melodrama to reveal the desperation of people under the regime. In my thesis, I conclude that his eccentric cinematic indictment of the Marcos regime's impoverishment and exploitation of the Filipino working class, as well as his circuitous efforts to bypass regime censorship through classic melodrama tropes mark his lasting contributions to Filipino and international cinema.

**BALTAZAR, RICA**

### *Exploring The Preceptor Role: Preceptor's Perception of Support and Commitment*

Preceptors are essential to the nursing profession, as they bridge the gap between education and practice. Therefore, it is important to study their role to improve their experience. The framework used to guide this study was Kanter's (1977) model of 'Structural Determinants of Behavior in Organizations'. This model suggests that a preceptor who feels supported is more committed to their role, ultimately improving their performance. The Preceptors' Perception of Support Scale and The Commitment to the Preceptor Role Scale were used to answer the following questions: What do preceptors view as support and what is the relationship between the perceived support for the role and the commitment to the role of preceptor? Surveys were distributed to registered nurses employed by St. Clare's Health. The results of this study have the potential to mobilize resources for nurse preceptors to work effectively.

**BECO, HONACY**

### *Millennials' Motivation for Green Consumption*

A research gap in the field of green consumption is that green consumption knowledge is location specific. Similar studies must be conducted in different locations to further understand green consumer behaviors and barriers. The purpose of this study is to investigate millennial consumers' motivations and barriers for purchasing green products. It is predicted that millennial consumers' green consumption will be related to

social value, environmental concern, and conditional value, and that these relationships will be moderated by income and environmental knowledge. To test the hypotheses in this study a research survey will be administered to collect data from millennial respondents. Empirical results will be explained and implications for researchers and practitioners will be discussed.

**BEGUM, JANNAT**

### *Characterization of Trans-AT PKS Sequences in *Karenia brevis**

*Karenia brevis* is a dinoflagellate that produces brevetoxins, which are neurotoxins resulting in detrimental marine and human health impacts. Brevetoxins are proposed to be synthesized by polyketide synthase (PKS) enzymes. However, no PKS gene has yet been linked to brevetoxin biosynthesis. Recently published sequences for three multi-domain trans-AT PKS contigs in *K. brevis* - 10709, 15957, and 78360 - were studied and compared to homologous sequences. Preliminary analysis found that the sequence similarity between the *K. brevis* PKSs and those found in other species is low. Also, the *K. brevis* sequences' domain structures are unique, suggesting these contigs are involved in a process unique to *K. brevis*. Further characterization of these contigs through comparison with other top homologs and a deeper look into their unusual domains will help in understanding what these domains may be doing in *K. brevis* pathways and the contigs' possible involvement in brevetoxin biosynthesis.

**BONNER, ALEXANDRA**

### *The Effect of Brain Breaks on Student's Attention*

Research has shown that taking brain breaks help students feel energized and focused, and can increase academic performance in young children. However, there is limited research on the effectiveness of brain breaks in college students. The purpose of this study was to find out how college students perceive and use breaks while learning. We conducted an experiment and distributed a survey. Initial results have revealed that college students perceive breaks to be beneficial, many even take breaks. However, their breaks do not align with the criteria of brain breaks. Brain breaks typically consist of short bursts of physical activity, stretching, and breathing. We found that the college students in this study tended to take long breaks and use their cell phone. By collecting this data we hope to help form a larger body of research on the potential benefits that brain breaks might have on college students.

**CAGUITLA, MARK RYAN**

### *Analysis of Undergraduate Nursing Students' Satisfaction of Their Clinical Experience and Their Readiness for Practice*

A shortage of registered nurses is anticipated to occur within the next decade due to the retirement of the Baby Boomer population. An expected 203,700 new nurses will be needed each year until 2026. This has ultimately added pressure on nursing schools to prepare their students to become competent nurses in the field. The purpose of this study was to examine senior nursing students' satisfaction with their clinical experience and their readiness for practice. A mixed method

study was conducted, with a total of 18 participants from a baccalaureate nursing program in New Jersey. Overall, nursing students had mixed feelings on their clinical experience and readiness for practice. Many have difficulty prioritizing patient care needs, while participants had high confidence in taking action to solve problems. This research is significant for nurse educators to make changes to improve clinical experience and readiness for practice for undergraduate nursing students.

**CARDENAS, ALEXIS**

***Exercise in the Workplace***

This paper will be focusing on employers incorporating exercise programs during the work day for their employees. This study will focus on companies, particularly small companies, that incorporate exercise programs. It will see if they find it beneficial for their employees as did larger companies. It will also be incorporated with blue collar workers and the effect it has on using these facilities. The study will measure how much lack of energy, lack of self-discipline, and lack of time affects people from using these facilities' programs provided by the job. The final measurement will show how having these programs has beneficial results in the employees' mental health, particularly with depression and anxiety. Exposure to job exercise programs will encourage employees to see the benefits of exercising and encourage them to exercise outside of the job as well. Through a study conducted through Amazon Mechanical Turk, people will be asked a series of questions of how they have been affected having on the job exercise programs. These answers will help show that exercise during the work day will improve employee health and mental abilities.

**CHAIKEN, KENDRA**

***The Other Side of the Band: The Disparities in Women Band Directors Compared to Men and the Outlying Factors***

This paper is an overview of the factors as to why female band directors in secondary instrumental education are a minority compared to their male counterparts. Women face gender discrimination, societal pressures of work-life balance, and a lack of support from administration. Gender discrimination comes in the form of sexism, sexual harassment, and disparities against women in favor of men in the hiring process. Discrimination is fueled by historical themes that declare women do not have the mental or emotional stamina to lead a band program. The societal pressures of the work-life balance contribute to the lack of confidence that women have in the field. With motherhood, family life, and time management, women can feel discouraged to enter the career. The final factor, a lack of support from administration, influences the previous factors. Without the support of women in general, including their families, they will not be able to take on the role as a secondary band director. These factors contribute to the alarmingly low numbers of women who are employed in these positions. The methodologies included in this paper include analysis of research literature and interviews with current female band directors. The paper concludes with recommendations to address gender disparity in this field.

**CONSTANTINO, RUBY**

***The Witching Hour: A Collection of Gothic Horror Stories***

Ruby Constantino has completed a variety of short stories in the Gothic horror genre. Many of these stories have common elements of the genre such as the supernatural, mystery and suspense, themes of madness, melodrama, romance, evil characters, and haunted settings. Some stories contain tropes like the female Gothic and the Supernatural Explained. However, all of these stories go against the genre's Eurocentric and heteropatriarchal stereotypes by only featuring women and queer characters of color. This project was supervised by Dr. Philip Cioffari of the English Department.

**CORONEL, EDGAR**

***Roma Legatis (The Roman Legacy)***

Ancient Rome has had an enormous impact on the modern world, though many no longer recognize its influence. Since the fall of the empire, countless writers, politicians, theologians, and philosophers have attempted to examine and interpret the Roman legacy within their own eras. Claimants to the mantle of Rome have ranged from the Byzantines, to the Pope, to the Holy Roman Empire, to the Renaissance princes, to the Victorians, and even now influential writers have disputed through the centuries who are the true inheritors of Rome. Some claim the Roman Republic represented the epitome of governance, while others praise the immense might of the Empire. This thesis considers some of the most intriguing arguments about why Rome should be a model for other societies and why claims to its legacy continue to flourish in our own era.

**COSCIA, GIANNA**

***Influence of the Social Media Networking Site, LinkedIn, on the Hiring Process Decisions***

Social media networking sites are online platforms that allow individuals the opportunity to create a profile and interact with others. LinkedIn is a professional social media networking site that connects professionals with one another and helps individuals who are seeking employment. Depending on what a candidate has listed on his/her LinkedIn can affect his/her chances of receiving an interview or job. Specifically, the author proposes that having a profile, amount of connections and if they are mutual to the hiring manager, inappropriate content, poorly detailed content, skills/endorsements, and a candidate's profile photo will directly influence the hiring process decision. Implications for research and practice are discussed.

**COSTANTINI, VICTOR**

***Developing a Framework for Understanding the Impact of Language on Alzheimer's and Dementia: A Comprehensive Review of the Literature***

This research reviews the literature of numerous studies conducted on Dementia patients (e.g., Alzheimer's) who are fluent in two or more languages. The studies examine how bilingualism may affect the brain of individuals who suffer from these diseases. The goal of the project is to determine whether bilingualism can delay and/or decelerate the progressive

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deterioration of language and memory function often observed in progressive dementias. While languages take many different forms and structures, a common theme that emerges from the literature is that bilingualism may be a factor in delaying the onset of dementia-related symptoms (e.g., language and memory deterioration). The implication of this work is that including language study in the curriculum may provide health~~as~~as well as educational benefits.

**CREIGHTON, MICHAEL**

### ***Working Remotely and its Effect on Productivity***

The purpose of this paper is to explore the impact of remote working on the productivity of said remote worker. This study was conducted during the 2020-2021 COVID-19 pandemic which saw an unprecedented number of remote workers due to social distancing. The study provides a set of generalizable themes drawn from the key research areas, including well-being, work-life balance, job stress, level of trust, and level of connectivity. Introduction/Theoretical Framework/ Hypothesis Development/ Methodology - The paper aims to conduct basic research to generate a body of knowledge to comprehend how remote working impacts productivity. A survey will be conducted to test the validity of the hypothesis and develop practical implications for the workplace to navigate this everchanging landscape.

**CROCE, JOEY**

### ***Identification and Development of New Unique Primer Pair Sequences of Myxobacterial Species using a Cladistical Analysis***

Myxobacteria is a strain of bacteria that can kill and digest other organisms in the soils that they inhabit. Most notably, myxobacteria are able to counter harmful fungal growth such as *Fusarium oxysporum*. Thus, Myxobacteria can be added to agricultural soils that are susceptible to such pathogens to prevent crops from getting and transmitting diseases. The efforts of the research conducted is directed towards creating new primers for the specific strains of myxobacteria in order to isolate the most effective strains for amplification in soil samples and performing metagenomic analyses. The primers were collected using the 16s rRNA of the myxobacteria strains of interest and were tested using Primer-BLAST to confirm the primers function properly. The addition of the produced primers will assist in the further implementation of myxobacteria in biocontrol efforts.

**CUFFARI, PAUL**

### ***An Introduction to Modern Music Production***

The barrier to entry to be a music producer has everything but vanished. There are a seemingly infinite number of programs, electronics, and gear available at the click of a button. However, it hasn't always been this way. For this presentation, it is my goal to introduce the tools and concepts available to a modern music producer and the history behind them, so that we may have a greater understanding and appreciation for the art of music production. The implementation of these concepts can be used to transform a vision into the desired result. In an interview in 2016, Quincy Jones said, "[A music] producer has to

have the skill, experience, and ability to guide the vision to completion." I have collected a small catalog of literature, interviews, seminal recordings, and produced a small demo tape of projects to try to demonstrate what I have learned so far.

**DANTES, STEVENCIA CALLI**

### ***The Impact of Wages on Productivity: A Perspective of Human Capital Investments***

Rising wages over the life cycle is a very well-known concept within empirical labor economics. Various hypotheses have been put forward to elucidate this growth. The prevailing explanation is the human capital model where productivity increases over a lifetime in direct response to increasing wages. The rise in productivity can be firm-specific, occupation-specific or may reflect a general increase in human capital (Ben-Porath, 1967; Becker, 1975; Mincer, 1974). When human capital is general, economists assumed that the level of productivity would increase at the same rate as wages. On the other hand, when human capital is specific, wages grow at a slower pace than productivity. In this research, the objective is to find how human capital investments, motivation for higher living standards, and wages affect the level of productivity within our workforce. We seek to understand the role human capital investments play in an economy's overall level of productivity.

**DE LAZZARI, ALEX**

### ***Harmonic Chord Substitution: A Theoretical Guide to Understanding and Implementing Alternate Progressions in a Jazz Context***

This study outlines the basic concepts of chord substitutions and alternate changes for jazz standards and vehicles for improvisation. An explanation of the theoretical process used to derive the alternate changes will be discussed, as well as many of the common substitutions over standards, blues, and rhythm changes. Various rules will be described, which can be applied to any standard or song which meets certain criteria, described in the rule for ease of achieving alternate substitutions in real time performance. It is commonplaceto learn about substitute harmony from the recorded music or by meeting and talking with fellow musicians, yet this text will prove to be a comprehensive guide to understanding and implementing alternate harmony easily. This way, students will be able to both understand why certain substitutions work, and also be able to input alternate changes logically even in songs where it has not been codified yet.

**DE MARTINI, MATTHEW**

### ***Everyone But You***

"Everyone But You" is a comic book based around a break up I experienced in December of 2018. The comic deals with the end of relationships, as well as human emotion and the fragility of the connections we make in our lives, yet presented in a personal manner. The book was created in pencil and ink before being uploaded digitally for touch ups, text placement, and printing. As an artist this project helped me to further my craft and to further my dreams of becoming an illustrator in the future. It is the highlight of my time in the Honors College at

William Paterson University and will hopefully serve me in the future as a portfolio piece for me to present to future employers.

**DERKAS, TIMOTHY**

***The Search (a Short Film)***

Tim Derkas has created an honors thesis short film that explores the different ways that humansexperience and react to loss. It is a short narrative film that uses a realistic approach to depict relationships and a character's first experience with death. It deals with a family and how they cope, in their own unique ways, to the death of a loved one.

**DOYLE, TIERNAN**

***Viequense: A Firsthand Account of Puerto Rico following Hurricane Maria***

The Puerto Rican island of Vieques goes mostly unknown nowadays but has an overlooked and rich contemporary history. Starting in the 1940's, the island was gradually taken by the United States Navy and used as a testing range for their munitions. This went on until 2003, when years of protests finally caused the Navy to withdraw from the island, with the areas used as testing grounds made into wildlife refuges. This resilience of the people of Vieques, known as the Viequense, has become a major part of their society. This resilience was seen yet again in 2017, when the island was ravaged by Hurricane Maria, which led to endless issues with logistics and rescue operations. This narrative describes a week on Vieques in January of 2018, and describes the work done by William Paterson University students and staff to assist the people of Vieques get back on their feet.

**DRAHUSCHAK, THOMAS**

***Quality of Sleep Related to Patient Outcomes in Intensive Care Units***

Sleep is a basic human need continually being investigated for its complex physiological and behavioral process essential for rest, repair, well-being, and survival. Sleep is needed as much as water, food, and oxygen for human survival and serves two main functions; conservation and restoration of energy. It can be deduced that poor quality of sleep while staying in an intensive care unit can negatively affect a patient's recovery. This systematic review gathered and analyzed the existing literature on the topic of sleep in intensive care units to understand the effects it may have on the patient's recovery. Using the PRISMA guideline, a search of the literature was performed using CINAHL, MEDLINE/ProQuest, and Science Direct. Poor quality of sleep in ICU patients has been associated with decreased immune function, fatigue, irritability and an increased risk for delirium; all of which have the potential to negatively affect one's recovery.

**DUNCAN, NIKITA**

***Human versus Animal Life: Is human life worth more than animal life?***

Animals and humans have maintained a complex and interwoven relationship lasting over thousands of years. The comparison of animal and human lives has been the topic of

interest in comparative psychology since the ideas of Aristotle and early religious texts such as the Book of Genesis and is still heavily discussed in recent times. Despite their similarities, human beings constantly and consistently regard themselves in a higher moral status than animals; such beliefs are presently known as pro-human attitudes while pro-animal attitudes are the beliefs that animals are equal to that of humans. This project was conducted through a review of literature with three main sections giving equal attention to the philosophical debate surrounding pro-human and pro-animal attitudes, evolutionary perspectives provided by Charles Darwin, and a brief overview of the history of comparative psychology, and lastly, recent empirical studies showcasing the animal-human relationship. Its goal is to increase knowledge about the animal-human relationship, animal and human similarities and differences, and aid future research.

**ELLIOTT, BROOKE**

***How do our childhood experiences affect academic motivation?***

Prior research has found motivation, resiliency, and adverse childhood experiences impact an individual's decision-making later in life (Howse et al., 2003; Felitti et al., 1998; Duckworth et al., 2007). Early childhood adverse experiences lead to higher rates of smoking, more cases of severe obesity, less physical activity, higher rates of depression, and higher rates of attempted suicide. Adverse childhood experiences have only been recognized as a literal life-or-death dilemma over the past three decades (Felitti et al., 1998, p.252). Given how profoundly childhood adversity affects development in later life, it may be a significant factor in an adolescent's decision to pursue higher education. The purpose of the study was to examine the relationship between childhood adversity, resiliency, socioeconomic status, and academic motivation. Preliminary results indicate no significant relationship between these factors. It is recommended for future research to examine the factors over years as children progress through adolescence.

**EVANGELISTA MUNANTE, NICOLE**

***Why Students Love or Hate Math***

There is a great importance in discovering the underlying factors that cause a person to appreciate or show distaste for mathematics. Although there is an increasing number of students qualified to study mathematics and take on a STEM career, they ultimately decide not to. The purpose of this study is to discover what factors lead numerous students to turn away from the subject. This research study probed the participant's growth mindset, personal experiences with math, and mathematical attitudes. Results show that women with a growth mindset had more positive math attitudes than women with a fixed mindset. This was not true for males, who were in general more positive about math than women. Future research should focus on teaching growth mindset in women.

**GARG, NITASHA**

***The Impact of South Asian Culture on Attitudes and Beliefs Regarding Mental Health***

Mental health continues to remain a heavily stigmatized topic,

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specifically in South Asian communities. According to the US Department of Health and Human Services (2017), suicide was the leading cause of death amongst Asian Americans 15 through 24. Therefore, it is crucial to analyze the impact of South Asian culture on young adults and how it affects their stance on mental illness care. This study will examine correlations between beliefs and attitudes amongst young adults of South Asian descent and their stance on mental illness care using the General Ethnicity Questionnaire (GEQ), Barriers to Access to Care Evaluation (BACE), and the EMIC-CSS. Data was collected through anonymous surveys that were distributed through social media platforms such as Instagram and Facebook. Data collection gathered results from 62 participants show a correlation between being raised amongst South Asian culture and bias against mental illnesses, specifically anxiety and depression.

**HEIFETZ-LICHT, BESS**

### ***An Analysis of Consumer Behavior Changes Due to Covid-19***

This paper reviews the potential long-term impacts of the Covid-19 pandemic on consumer behavior. Consumer behavior is ever changing and consistently has a direct impact on an individual's willingness to spend. The stay-at-home orders that were put into place as a response to Covid-19 caused over 10 million Americans to lose their jobs. The sudden and extreme rise in demand for essential items resulted in a lack of their availability throughout the country. All consumers, businesses, and healthcare workers were forced to quickly change their habits and adapt to new ones centered around maintaining the safety of themselves and those around them. The implications of this paper are to suggest that changes in consumer behavior due to Covid-19 will have long-lasting effects on the purchasing habits of Americans.

**HILL, ANNA**

### ***Disney's Early Film Scores and their Correlation to the Psychology of Nostalgia***

Nostalgia, long considered a psychiatric disorder, has grown into one of the most powerful consumer emotions one can feel. The history and psychology of nostalgia is complex and has been under scrutiny for decades. What triggers it? Is it universal or individualized? The Disney movies of the 1940s-1960s have captured the hearts and minds of pop culture for almost five decades. Did Disney intentionally capitalize on the power of nostalgia? Or did they unknowingly create a musical framework that would prove to be the foundation of one of the most successful film franchises of all time? This paper will present a survey on the psychology of nostalgia and its direct relationship to film scores by investigating various academic studies on the two subjects. These studies include articles from peer-reviewed scholarly journals, monographs, dissertations, and excerpts from newspaper and magazine articles. The study will provide background regarding the creation and composition of Pinocchio (1940), Cinderella (1950), Sleeping Beauty (1959), and 101 Dalmatians (1961). We will present historical information on the creation, scoring, and social influence each movie had at the time of its release. Subsequently, we will apply the

forementioned psychological research to the musical scores of these films in order to address the question of intentionality with regards to nostalgia.

**HUNTER, PETER**

### ***A New Approach to Guitar Education: A Comprehensive Method to Learning the Guitar***

The guitar lacks a single method that is able to guide an individual to become a well rounded musician. This project presents a new method book that will allow the guitarist to follow comprehensive set of skills; enabling the musician to function in all musical settings. To function as a working musician, guitarists need to possess nine main skills. While no current method book addresses all nine, this new methodology will cover the existing holes found in the current books commonly used in the classroom. A student of the guitar will no longer need to jump through a multitude of sources to get a well rounded approach to the guitar. The Mel Bay, Hal Leonard, and Primary Guitar Methods books, which are employed in most guitar teaching environments were analyzed and reviewed for areas of strength and shortcoming. This new method will serve as a singular source for the progressing guitarist.

**IVOS, AMANDA**

### ***Nurses with Physical Disabilities***

This systematic review analyzed the state of the literature concerning the future of physically disabled nurses and prospective students. These studies were analyzed for the outcomes in regards to their career and social environment within the workplace. There is a lack of thorough research analyzing the disparities of this population regarding the effects of disabilities psychosocially as well as the impact on the careers of nurses. Results of this study will assist the nursing profession to encourage inclusivity and retention of nurses in the field to combat the existing nursing shortage. These nurses have the unique opportunity to be a positive influence and motivate clients during patient care by relating with their personal disability (Marks & McCulloh, 2016).

**JACKETTI, EMA**

### ***Fictional Lesbian Characters on Television: A Content Analysis***

During the past two decades, television programs have proved influential in challenging the heteronormativity standard that has prevailed in the United States. Traditionally, most Americans believed – and most mass media did not question – the notion that heterosexuality was the “standard” sexual orientation and that all other orientations deviated from this norm. In 1998, the situation-comedy Will and Grace proved influential in changing how members of the LGBTQ community were represented as characters on television. In the years that followed, numerous programs started to present LGBTQ people as main characters, and most of the viewing public became more accepting as a result. In 2013, Freeform's groundbreaking television series The Fosters continued to break ground in challenging the standard of heteronormativity. The present study uses content analysis to assess how LGBTQ characters on The Fosters are used as a tool to counteract contemporary

notions of relationships. More specifically, the study will look at episodes and the following categories will be assessed: how many characters in the segment were of the LGBTQ community, the treatment or level of prejudice shown towards the LGBTQ characters, percentage of episodes where same-sex sexual behaviors occurred, and what aspects of the lesbian relationship counteract the heteronormativity standard.

**JACKOWSKI, CRAIG**

***The Effects of Age & Social Media Marketing on Consumers' Willingness to Pay Online and Decision to Perform Customer Switching***

Social Media continues to have a profound impact on business, particularly in the field of Marketing. Consumers of all ages regularly use many of the available Social Media websites and applications, and are, therefore, highly susceptible to the online Marketing efforts of many companies. The present research aims to investigate how this exposure through Social Media Marketing, as well as age, effects consumers' willingness to pay online and their ability to perform customer switching. In particular, I propose that a person higher in age is less likely to be willing to pay for something online and a person lower in age is more likely to be willing to pay for something online. I also believe that this relationship occurs as a result of attention to online content through Social Media exposure. Finally, I propose that higher Social Media exposure will cause consumers to perform customer switching, or the use of a competitor's products or services, less.

**JOHNSON, ALISSA**

***Undergraduate Nursing Students' Knowledge and Willingness to Care for the Growing Geriatric Population***

The purpose of this study was to investigate undergraduate nursing students' willingness with the geriatric population and their knowledge about the geriatric population. Due to the growing baby boomer population, it is essential that the healthcare field has a sufficient number of nurses willing to take care of these elderly citizens. With an increased number of nurses retiring and the number of the older adult population increasing, the demand for knowledgeable and willing nurses continues to rise. Students were asked to complete an anonymous online survey consisting of questions from the two tools Facts on Aging Quiz, and Nolan's Intent to Work with Elderly People. Results display a positive attitude and willingness towards working with the geriatric population. The students' knowledge about the geriatric population was shown to have little impact on their willingness to work with older adults.

**JOHNSON, MAXWELL**

***Saint George and the Antiochian Trinity: Contextualizing the development of major Warrior Saints***

My thesis examines how the veneration of Christian warrior saints transformed as a result of the Crusades. I elucidate how the artistic and literary representations of Saints

George, Theodosius, and Demetrius transformed them from regional horsemen-martyrs of God into bonafide champions of the faith. In particular, Crusader narratives capture miraculous visions in which George, Demetrius, and Mercurius intervene on their behalf at the Siege of Antioch (1098), as mounted warrior Saints sallying forth from the city walls to sway the battle in the Crusaders' favor. As the stories behind these warrior saints evolved after the Crusades from their earlier passive characterizations, the shift in these traditions highlights the Western Church's reassertion of their martial qualities as defenders of the faith in keeping with a new era of militant Christendom.

**KERRSEN, ALEXANDER**

***What Makes an Etude an Etude: The Art of Pedagogical Composition***

Training for music teachers focuses on working with wind ensembles and choirs. While these are crucial teaching skills, neither type of ensemble features a student pianist. As a result, piano teachers often come up through a master-apprentice model rather than the traditional process of gaining a degree in music education, though the two are not mutually exclusive. Because piano teachers must first become master pianists themselves by working with a private instructor, they must formulate their own teaching methods as they study in order to take on their own apprentices. Along this journey of mastering the piano and developing a teaching methodology, pianists must seek out the best possible repertoire for exercising certain technical skills in an effective and relevant manner. This study of piano repertoire as it relates to pedagogy makes recommendations for how aspiring piano teachers can choose the most effective etudes for their students through musical analysis.

**KREUTZER, LAUREN**

***Psychology Behind Horror Film***

Fear is typically associated with negative emotions. It is a reaction that we, as humans, try to avoid because of the physical and psychological effects it enables. However, the adrenaline rush that fear facilitates is one of the primary reasons the horror genre is so successful. Horror films are a way to take what one may feel is a negative experience and create enjoyment out of it. The components which work together elicit deep cognitive and emotional responses that allow people to enjoy a horror film. This thesis is going to focus on the different techniques executed by filmmakers to make horror films positively engaging to viewers. Finally, psychological studies will explain how our brain and body react to horror.

**LACABA, GWYNNETH**

***Nurses' Attitudes and Perceptions Toward Language Discordance: A Qualitative Study***

Communication is one of the most essential aspects in delivering high-quality patient care. Limited English Proficiency (LEP) individuals face challenges in communicating effectively with their health care providers. To bridge this disparity, there exist several federal and state regulations to be upheld by clinicians. Research, however, suggests that there is limited



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compliance when it comes to providing these services for LEP patients. Utilizing Giger and Davidhizar's Cultural Competence Model, a qualitative study was performed to analyze nurses' attitudes and perceptions toward language discordance. A phone interview was conducted to collect qualitative data from registered nurses. Results of the study serve to provide valuable insight in the utilization of interpreter services in the hospital, which may aid in implementing changes that will lead to better patient outcomes and excellence in nursing care.

**LEE, EUNJI**

### ***Are Culturally Diverse Women Satisfied with their Quality of Maternity Care?***

With the growing trend of international migration in the United States, the health care system is challenged in providing culturally competent care for patients, specifically apparent in the experiences of immigrant women receiving maternal care. A synthesis of numerous sources suggest that not all women are satisfied with childbirth care in the United States, due to contributing factors, such as labor pain, demographics, inability to provide patient-focused care, limited access to necessary resources and birthing environments. In an attempt to address these factors, a qualitative methodology was used in this study to evaluate culturally diverse women's perspectives and satisfaction of their maternal care in the United States. Furthermore, a semi-structured interview was utilized as a guide to collect data from participants recruited through network sampling. The overall findings from the study allows clinicians to gain perspectives on the participant's thoughts, feelings, opinions and experiences, which ultimately can be contributed to improved and positive maternal care for culturally diverse women in the United States.

**LUPINO, LAURYN**

### ***Grief, Grace, and Chocolate Cake; A One-Year Memoir***

A one-year memoir incorporating various forms of creative non-fiction, chronicling the cycle of grief in three sections, including loss, unexpected grace, and newfound humor and growth. This project was supervised by Dr. Phillip Cioffari.

**MCCRAY-CLARK, DESIREE**

### ***How green are you? Does Environmental Self-Identity Have a Relationship with Green Consumption?***

The extant literature that researches green consumption focuses primarily on the effects it brings to branding and marketing, meaning there is little research studying a consumer's personal relationship with the green products. The purpose of this research is to fulfill this research gap by investigating green consumption and its dependence on environmental self-identity which gauges how "green" one is. The present study tests five hypotheses, focusing on environmental self-identity while also exploring its ties to one's brand trust, self-efficacy, and ethical obligation. The empirical results allow for the marketers to know what it takes for the consumers to consume green. Research and practical implications are also discussed.

**MCKEE, WILLIAM**

### ***Thad Jones: The Influence of Life Experience on Musical Expression***

This research paper examines the world-famous jazz composer, arranger, and musician Thad Jones. This paper's purpose is to discover, analyze, and review links between Thad Jones' personal life and his music. For this reason, two songs composed and arranged by Jones have been selected for careful analysis. The Thad Jones Living Jazz Archive at William Paterson University houses the world's premiere collection of Thad Jones' musical works. This archive contains the majority of primary and secondary sources that will be referenced in this paper. Through musical examination of Jones' "Low Down" and "All of Me," this paper demonstrates the existence of connections between specific events in Thad Jones' life, and identifiable compositional methods. This paper has the potential to inform jazz musicians how relevant and important our personal experiences are to our music. ☐

**MOORE, BRITTANY**

### ***Comparing the Protests: Does Colin Kaepernick's Protest Stand Out From the Rest?***

Colin Kaepernick, quarterback on the San Francisco 49ers, became a controversial figure when he knelt during the U.S. National Anthem in 2016. He acted in protest of police brutality against Black Americans. However, Kaepernick was not the only athlete to protest during the anthem. During the 1968 Olympics, USA track runners Tommie Smith and John Carlos raised their fists while the anthem played. The Olympians experienced a lot of backlash; however, now they are praised widely for their courage. The essay's purpose is to acknowledge the similarities between the protests and to uncover the subtle differences using primary sources, media coverage, direct quotes, and secondary sources. The central question is whether Kaepernick's protest is different. Is history repeating itself or do the nuances of this current climate in America make Kaepernick's protest fundamentally distinct? I conclude that the two protests were structurally similar, but differences emerge in the systems that surrounded them as well as the impact it had on America.

**MOUTIS, RACHEL**

### ***How Does Nutrition Affect Mood in Young Adults?***

Mental health covers the entire spectrum of the human mind, including mood. In general, mental health is rapidly becoming a popularly widespread concept for research. However, there is limited research on the effects nutrition has on mood. The purpose of this study was to understand how certain dietary habits can affect mood in young adults. Guided by theory, this study utilized a quantitative nonexperimental cross-sectional design. A questionnaire measuring nutritional status and mood, consisting of the PERMA Profiler and the Healthy Eating Index (HEI)-2015, were utilized to collect data for the study. Online anonymous surveys were distributed to individuals between the ages of 18 to 35 in the United States. Data between these two variables was computed through SPSS to discover significant correlations. Results of the study may guide nursing care plans

in a new direction, and may encourage nurses caring for young adults to educate the positive or negative effects that a diet can have on mood and wellbeing.

**MUELLER, CATHERINE**

***COVID-19 & Its Impact on Mental Health***

The ability to interact with family and friends is something we have always taken for granted. Social interactions are a large part of what keeps life feeling “normal”. However, in March of 2020, coronavirus began to impact not only the United States, but the whole world and many people were isolated from family and friends. People have many concerns that range from health, to economics, to jobs. The goal of this study is to examine how the pandemic is affecting the mental health of college-age students by looking at relationships between depression, personality and resilience and determining how resilience and personality may offer protection against stress. This study will collect information online using Qualtrics with the hope of getting additional insight into how resilience and personality may moderate pandemic-induced stress.

**MYERS, SARAH**

***Understanding Unified Programs and Integrating People with Disabilities Into Communities***

The topic of disability is not one that is commonly talked about in today’s society. Many people either know someone who is disabled or will become disabled themselves at some point during their lifetime. For those who were born with a disability, or have acquired a disability at a young age, it can be difficult to fit in with their non-disabled peers. It can also be difficult for people who do not have a disability to understand the realities and be accepting of disabilities unless they are exposed to and taught about various impairments. The media can additionally skew people’s perspectives of disabilities because of how they are portrayed in movies or on TV shows. One way for people with disabilities to be integrated into society, become better understood, and fit in with their peers is through the use of physical activity programs. There are some schools that utilize unified programs as a way to get people with disabilities more involved at school and in their communities. Unified programs are activities for people with and without disabilities to participate together. Typically, in a unified program one person with a disability will be paired up with a classmate who does not have a disability and they will play a sport together working as a team. These programs not only assimilate people with disabilities into society, but also teach those without disabilities to be understanding, accepting, and welcoming to those people with disabilities. In talking with people who have been a part of some sort of integrated program, readers will become more aware of what exactly these programs are, benefits, challenges, and other aspects of unified programs.

**NOONAN, SHEILA**

***Factors Affecting School Nurse Job Satisfaction in New Jersey***

There is limited research related to job satisfaction among school nurses. This research shows high levels of job dissatisfaction related to school nurses. Many studies and tools

are geared towards nurse satisfaction in the hospital setting, but not nurses in the school setting. This study identifies whether school nurses in central New Jersey are generally satisfied or dissatisfied with their job and the factors affecting school nurse job satisfaction. In an effort to decrease the gap in research, a quantitative nonexperimental one-time survey design was used. A modified version of the Index of Work Satisfaction survey was sent out to school nurses in New Jersey to assess factors associated with job satisfaction. Results are currently being analyzed and will be presented in Spring 2021. The benefits of this research are to add knowledge on school nurse satisfaction and the particular factors affecting school nurse satisfaction, which in turn benefits students and communities significantly. Researching the factors that affect job satisfaction allows administrators to understand and address the factors, ideally resulting in higher school nurse satisfaction. Increasing school nurse satisfaction has the potential to create a better work environment for school nurses and a healthier experience in school for all students.

**ONORI, JAYDE**

***Effects of social media use on relationship satisfaction and anxiety***

Two-thirds of all internet users, and one-third of the entire world’s population, use social media (Ospina 2019). In adolescents, self-esteem mediated the effect of relationships quality on social media use (Wang et. al , 2017). Adolescents who reported poorer relationship quality had lower self-esteem and used social media more. In college students, more anxiety predicts higher social media use (Sleeper, 2018). These studies suggest that there is some relationship between anxiety, self-esteem, social media use, and relationship satisfaction, but the exact relationship between them is so far unclear. The study presented here asks about these relationships by examining the effects of social media use on relationship satisfaction with anxiety as a possible mediator. Five established likert-type scales in psychology: generalized anxiety disorder, relationship assessment scale, Rosenberg self-esteem, Bergen social media addiction, and adult attachment were used. The findings of this study indicate that relationship satisfaction was not impacted by usage.

**OZAWA-MORRIELLO, JOSHUA**

***Patient Blood Management: Effectiveness, Global Implementation, and Nursing Education***

Blood transfusions, though considered crucial, have become one of the most overused procedures globally. The procedure is evidently ineffective, leading to increased morbidity and mortality rates. Alternatives to blood transfusions have been identified: Patient Blood Management (PBM) programs. PBM manages all aspects of anemia and blood perioperatively, and are associated with positive outcomes. This study defines PBM, it’s implementation globally, and the extent to which principles of PBM are taught in current domestic nursing schools.

**PASMINO, JAIMIE**

### ***Effects of Dehydration on Beta-Amyloid Aggregation Literature Review***

Alzheimer's disease is a common form of dementia. It causes an irreversible, progressive brain disorder that slowly destroys memory and thinking skills with the potential to seriously interfere with everyday tasks. One of the hallmark proteins that characterizes Alzheimer's is abnormally cleaved APP resulting in beta-amyloid. It is insoluble and sticky, causing these proteins to aggregate. These plaques become problematic to neurons, blocking neuron synapses, and rendering them unable to communicate. Because of memory complications that arise with Alzheimer's, people experience short-term memory loss and forget to hydrate frequently. Due to constant dehydration, thirst signals are suppressed through neural adaptation, combined with the fact that aging already brings about a significant lack of thirst recognition. All this to say that people with Alzheimer's are normally chronically dehydrated. It is well known that water plays a crucial role in the folding, dynamics, and function of proteins. Research even suggests that some enzymes may render not functional in low states of hydration. This study intends to further investigate the correlation between dehydration and the aggregation of beta-amyloid.

**PATEL, POOJA**

### ***The Positive Impact of Extrinsic and Intrinsic Motivators in the Workplace***

This research seeks to further understand the relationship between motivation and employee performance. Specifically, it aims to establish the impact of extrinsic and intrinsic motivators in the workplace. The study also works to understand the role that organizational commitment plays between extrinsic and intrinsic motivation and employee performance. In this research, it is established that both extrinsic and intrinsic motivation have a positive impact in the workplace, with organizational commitment acting as a moderator. The research also proposes that there is a negative relationship between the overjustification effect (when an external reward or incentive decreases an individual's intrinsic motivation) and employee performance.

**PEARSON, GEORGIANA**

### ***Are We Breaking the Glass Ceiling? Female Representation in Top Management***

Women make up almost half of the labor force yet currently only account for 6% of CEOs in Fortune 500 companies. This lack of representation can be explained by the glass-ceiling phenomenon: the intangible barrier preventing women from obtaining upper-level positions, not based on their ability to handle a job, but because they are women. The present research examines the most relevant factors that add to this glass ceiling by identifying those that affect the female representation in a company and in leadership positions. This research investigates the relationship between the glass cliff theory (when companies promote women during times of crisis, negatively reflecting on their performance and ultimately making them quit), company

culture, and the size of a firm on female representation and percent of women in top management positions.

**PENA, MARIA**

### ***The Effects of Bullying in the Workplace on The Nursing Profession: A Systematic Review of the Literature***

Bullying in the workplace has become a chronic problem in the nursing profession. This has had a negative impact on patient care outcomes and on the profession itself. This systematic review examined current literature that assesses what causes bullying in the workplace, as well as the damage that it may cause. Using the PRISMA guide, a search of the literature was performed using the CINAHL database to locate articles. The analysis of the studies discussed how bullying in the workplace has come to be and what this means for patient care outcomes as well as for the future of nursing.

**PERKINS, SHANE**

### ***Stress and Anxiety for Healthcare Workers During COVID-19***

The current pandemic caused by COVID-19 has affected the general population greatly, but it has impacted frontline healthcare workers disproportionately. The goal of this study is to evaluate the impact of COVID-19 on the mental health of frontline healthcare workers with respect to stress, anxiety, and burnout. Information will be collected using Qualtrics and will be used to show the need for improvement in working conditions during this global health crisis for these workers. It is hoped that this study can show the importance of helping frontline workers maintain good mental health, allowing them to not only feel better but perform their jobs better as well. We can recover from devastating situations more effectively if proper procedures are taken in order to protect and support our healthcare workers.

**QASEM, HUDA**

### ***How Islamophobia is Portrayed on Television***

My research examines the longstanding problem on television of stereotyping Muslim characters, which pervades television today. Islamophobia varies through each show and movie in my study, whether casting a male Muslim as a terrorist or disrespecting and sexualizing the hijab. Each show that I examine misrepresents Muslim and Middle Eastern communities and misinforms the audiences about those communities. Misinforming the audience, who may be not familiar with the religion Islam, spreads the stereotype that Islam promotes terrorism, and that all of the people who follow the religion are dangerous. These distortions are dangerous and offensive. A few of the shows mentioned in my study are: Law and Order: SVU, Greys Anatomy, Criminal Minds, Elite, and 911 Lone Star. Although television has more Muslim characters now than ever, there are more inaccuracies with more inclusion, since writers, directors, and actors from non-Muslim backgrounds are making these shows.

**REULBACH, JAMIE CAROLYN**

***Interval Timing Precision in Mice with Chronic Traumatic Brain Injury***

Interval timing is the ability to perceive, remember, and organize behavior around two points in time in the seconds to minutes range. In humans, traumatic brain injury (TBI) appears to impair interval timing precision. In this experiment, C57BL/6J mice were subjected to either traumatic brain injury or a sham injury once per week, then were either given the drug Retigabine (RTG), which reduces the hyperpolarizing effects of the injury, or saline vehicle. Their interval timing precision was then compared using a Switch Task in which mice determine the best time to switch between ports to receive food. The CV of the switch times were measured and analyzed with the hypothesis that mice who received TBI and no RTG would have lower precision than those who received TBI and RTG and those who received no TBI and/or RTG.

**ROLLING, CRISTAL**

***A bioinformational study of variations between Candida genes potentially responsible for antifungal tolerance and resistance***

Candida glabrata is usually a commensal organism that can become infectious and cause candidiasis in immunocompromised patients when it enters the bloodstream or overgrows in internal organs. Echinocandins and azoles are primary treatments for candidiasis but Candida species have adaptation, or tolerance, pathways that are activated as a result of cell wall stress caused by these treatments. These adaptation pathways help the cells to survive the antifungal until they undergo resistance. C. glabrata species have developed resistance to these two primary treatment options. One of these adaptation pathways is the cell wall integrity pathway; studies have shown that disrupting genes in this pathway increases drug susceptibility. This project focuses on variations between certain genes in this pathway in C. glabrata species and other related species. Using MEGA, a gene alignment and phylogenetic tree constructor, and NCBI GenBank, differences between the sequences of these genes can be analyzed and pinpointed in future laboratory work to see if these variations contribute to drug tolerance and resistance in C. glabrata.

**SALIMBENE, ANTHONY**

***Images of New Jersey***

Images of Jersey is an aural exploration of the imagery that composer Anthony J. Salimbene grew up around. The four-movement composition for solo vibraphone features various colors and textures the instrument offers to represent landscapes of his home state of New Jersey. The first movement, Rooftops, introduces the 12-tone row used throughout the entire composition, and represents his hometown, Nutley. Lilac uses slow rolled chords, gentle touch, and subtle range shifts to symbolize the breeze of spring and quiet tranquility of his neighborhood, Manhattan Ct. Meadowlands uses a mix of driving cluster chords, high motor fan, and improvisational notation to represent the unpredictable and often stressful nature of Jersey highways

watched over by grandiose city skylines. Seawall features slow motor and bowed melody over droned chords to symbolize the ocean waves and settling sands of Jersey beaches.

**SANJUAN, TIFFANIE**

***Athletic Injuries Affect Self Esteem***

Previous studies show that participation in sports increases belongingness, and belongingness increases self-esteem. Sports injuries lower self-esteem. These studies tended to focus on a single sport. The purpose of this study is to find out if belongingness and injuries affect an athlete's self-esteem regardless of the sport. A survey with background questions, an injury scale, and a self-esteem scale was emailed out to college students. Preliminary results show that injuries do not affect self-esteem.

**SASSO, CHRISTIAN**

***B34.9***

Christian Sasso has written, recorded, and produced a 6 song EP exploring the complex emotions and existential battles of a sickly and desperate inpatient. The ethics and moral code of medicine are discussed via the perspective of the patient, via emotionally loaded observational lyricism, challenging such ethics from a spiritual and psychological standpoint rather than a scientific one. The writer's struggling relationship with God in the case of a desperate believer left to suffer in silence, due to his current disposition as an anomaly to modern medicine, takes on a sacrilegious and slanderous type of communion between religion and science. The music and lyrics of this EP are written intentionally to display the dissonant relationships, the tension of uncertainty, and the inevitable changing nature of events. A special thank you to Julian Worden for co-producing and engineering this EP as well as to the guidance of Dr. Cioffari.

**SAVVA, ARTEMIA**

***Relationship between Working Memory and Written Language Production***

Previous research has suggested that working memory is necessary for strong verbal language production. Here we ask if working memory is necessary for written language production. We assessed both numeric and verbal working memory and asked participants to complete sentences and describe pictures. Preliminary results suggest working memory does not predict written language complexity, although people with better numerical working memory may have created less complex sentences. We discussed several possible explanations.

**SHARMA, INA**

***The Mental Health Impact of COVID-19 on Healthcare Workers***

The Coronavirus disease (COVID-19) pandemic has spread all across the globe and has infected nearly 30 million people with more than 900,000 deaths. But along with this incalculable loss, the outbreak has had devastating effects on the physical and mental health of healthcare workers. These workers face tremendous stress, both physically and emotionally, from the demanding work hours and the threat of contracting the virus

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at work. The combination of fatigue and the pressure to keep working despite the threat of contracting the illness contributes to the evolving mental health problems that are likely to emerge from the pandemic. This paper will discuss the impact on the mental health of healthcare workers caused by COVID-19. At the end of this thesis, there will also be treatment options and self-care activities provided that can help promote recovery.

**SILLEN, KATHLEEN**

### *A Collection of Moments*

Kathleen Sillen and Cassandra Soto wrote, produced, and directed a collection of scenes based on every day human experiences.

**SKELLY, MAX**

### *Sleep Patterns and Anxiety's Effects on Academic Performance*

Sleep and its effects on academic performance have long been studied. But the relationship between sleep, anxiety, and academic performance has not. The purpose of this study is to assess how anxiety, along with sleep factors such as sleep patterns and sleep quality, may affect the academic performance of college students. A random sample of college students answered an anonymous online survey meant to gauge their personal sleep habits and anxiety levels, which were compared to those of the other participants. The results conclude that sleep and anxiety levels, based off the sample of students, do not reflect a student's GPA (Grade Point Average). The results also show how anxiety levels do not serve as a measure to predict a student's sleep patterns.

**SMITH, EVAN**

### *Work Environment and Job Satisfaction*

The purpose of this research paper is to show that there is a correlation between the work environment and an employee's job satisfaction. There are several main concepts that follow, which include the relation between communication satisfaction, employee engagement, job satisfaction, and job performance in higher education institutions. It also includes job satisfaction and what factors affect the level of satisfaction for a worker. Another main concept mentioned is how obstacles affect job satisfaction no matter what the level of the job is. A related concept also talked about is the correlation between how job satisfaction is highest in large scale companies. Job stress, workload, and the work environments affect on job satisfaction is covered in another concept.

**SOTO, CASSANDRA**

### *A Collection of Moments*

Cassandra Soto has created a series of scenes with the help of Kathleen Sillen which depict conflicts people often face as they age. The scenes are set in the modern times of COVID, where characters struggle with social distancing, financial instability, and maintaining relationships. The play was then produced and directed by Cassandra Soto and Kathleen Sillen, where the show was filmed and showcased virtually. The project was supervised and aided by Dr. Philip Ciofarri of the English Department.

**SOUID, FAISAL**

### *Unemployment & Covid-19*

The study will investigate the relationship between coronavirus and unemployment. Coronavirus, also known as COVID-19, was categorized as a highly contagious virus early in the year 2020. Governments all over the world implemented strict measures to curb the spread of the virus by enforcing safety measures such as social distancing and mask wearing. This downturn of events dramatically affected organizations. Businesses had to comply with CDC guidelines in order to slow the spread of the virus, even if it meant laying off employees or going out of business. The author studies the relationship between the dependent variable unemployment and the four independent variables (i.e., age, recent hires, position, and gender) businesses consider when laying off employees. Additionally, skillset was found to moderate the relationship between unemployment and the four variables.

**STEVENSON, GWYNNE**

### *Concerts Before, During, and After: The Effect of the Coronavirus Pandemic on the Live Music Industry*

This paper is a cohesive examination of the impact of COVID-19 on the live music industry. Before COVID-19, the industry experienced growth as a result of more people consuming music and more concerts being produced due to increased demand. Because of the lack of revenue artists receive from digital music streaming, artists turned to playing more shows during the past two decades. This became their primary revenue source. However, the coronavirus pandemic beginning in early 2020 shut down virtually all live entertainment, halting income for artists, their teams, venues, stage crews, promoters, and more, causing the largest revenue contraction the events industry has seen. Moving forward, industry players must incorporate precautions to keep people safe while at events and to remain financially stable in case of another industry economic shutdown. This paper will explore how the live music industry has responded to the pandemic, and will make recommendations for safe post-pandemic events.

**STROH, NICOLE**

### *Determinants of Job Satisfaction*

This analysis is based on an alumni study done by Dr. Kressel. Data is separated into sections, and the focus of this study is between career satisfaction and life satisfaction. Correlations between multiple pairs of variables will be calculated to determine what aspects of college career and job career relate, as well as overall life gratitude. The purpose of this study is to find determinants of both career and life satisfaction, as well as to observe how these two variables can influence one another. This will allow colleges to better prepare future generations for their lives and participation in society.

**SULLIVAN, LAUREN**

### *Registered Nurses' Comfort with Pediatric Resuscitation*

Any resuscitation, especially pediatric, is traumatic and minor mistakes can yield large consequences. Therefore, it is imperative that nurses and hospitals are well equipped to

handle pediatric resuscitations. Guided by Chaos Theory, this study aimed to determine nurses' attitudes and comfort with pediatric resuscitations. This research explored the relationship between characteristics of nurses and their attitude/comfort during pediatric resuscitations, defined via a Comfort Score between 7 and 35. Data was collected via an online anonymous survey distributed primarily to members of the New Jersey State Nurses Association. A total of 56 (n=56) completed surveys were analyzed. Results showed a correlation between various characteristics of nurses and their Comfort Score. Results from this study can be utilized as a guideline for further research to improve nurse comfort during pediatric resuscitation.

**THOTTANANIYIL, VARSHA ANN**

***Effect of Planned Napping on Fatigue in Nurses Working During 12-hour Night Shift***

Sleep deficiency and sleep deprivation can affect nurses' work readiness and health, safety, and well-being. Planned naps on night shifts are recommended in health care by the Joint Commission to help alleviate sleepiness and to improve staff performance. This study evaluated the effect of planned naps on fatigue during a 12-hour night shift through a quantitative, non-experimental comparative design. The subjects, NJ nurses, completed the survey. It was hypothesized that nurses who nap during the night shift have reduced fatigue levels. There is no statistically significant decrease of overall fatigue levels in nurses who take planned naps during night shift (n= 86, p=0.07). Even though there is no correlation between naps and overall fatigue, there is a significant decrease in mental fatigue in nurses who took naps (n=86, p=0.004). This study can be used to bridge the gap in the literature to evaluate the effectiveness of napping and fatigue.

**VERDES, ALYSSA**

***Pediatric Autoimmune Disorder Associated with Streptococcal Infection (PANDAS): Behavioral and Physical Effects***

Pediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcus infection or PANDAS is a disorder observed in children characterized by the onset of Obsessive-Compulsive Disorder (OCD) and/or Tourette's-like symptoms after infection. The specific strain which causes PANDAS has been determined to be Group A Streptococcus. PANDAS can affect an individual in all aspects of their life (e.g., medically, socially, and emotionally). Positive treatment outcomes have been reported using Cognitive Behavioral Therapy and SSRI Drug intervention, although the reaction to treatment is highly dependent on the severity of the specific case. This literature review will discuss the physical, mental and social effects of PANDAS.

**VILLAREAL, KYLE**

***Limitations in Music: Creating with the Bare Essentials***

In the modern age of digital music creation and the vast amount of accessibility that has come onto the consumer market, it is easy to fall victim to overchoice. That is, there are oftentimes too many software instruments to be able to make a

quick, confident decision on what is needed. In my experience, one mantra has always held true: K.I.S.S. - keep it simple, stupid. For me, less is more. Going into this project I wanted to create music through the simplest, cheapest means available and show that thousand dollar synthesizers are not necessary to make something meaningful. Therefore, all sounds on this project are sourced from second-hand children's instruments that have been circuit bent to work within a modern home recording setup, and were further manipulated through the digital audio workstation to create a unique sonic texture.

**WILLIAMS, DANIELLE**

***Undergraduate Nursing Students' Attitudes Towards the Care of Dying Patients***

A holistic approach to nursing care is essential as nurses must aim to address all aspects of a patient to provide the best quality care. Regardless of nursing units, nurses must be trained to meet the many needs of patients, including the needs of dying patients. Research shows that nurses who felt less prepared for patient death are impacted more negatively by their experiences (Kent, et al., 2012). Therefore, student nurses' attitudes towards patient death may predict their readiness for the career and their future emotional experiences. This study analyzed junior and senior nursing students' attitudes towards death at an undergraduate baccalaureate program in the Northeast. The study utilized the Frommelt's Attitudes Towards Care of the Dying Scale (FATCOD-form B) and revealed associations between students' attitudes towards death, their experiences and demographics. Results of this study may aid in enhancing undergraduate education to better prepare student nurses for their field.

**WORDEN, JULIAN**

***Poems of Sorts***

My thesis is a 6 song EP called "Poems of Sorts." All of these songs were written, produced, recorded, mixed, and mastered by me, but a couple of them feature playing by some of the best musicians I've had the pleasure of meeting during my time at William Paterson. Specifically, these musicians are Jordan Pesola, Liam Kerekes, and Gina Royale. My goal with these songs was to create a body of work that represents all of the genres of music that I've worked on, including rap and metal. As a result, it's meant to sound less like a story from start to finish and more like a complete representation of who I am as a producer.