

Celebration of Student Achievement: Poster Session Schedule 2017



Session A: EDU 212 - 12:00-1:00 Session B: EDU 212 - 1:15-2:15 Session C: EDU 212 - 2:30-3:30 Session D: EDU 212 - 3:45-4:45	Session I: SSB Atrium - 12:00-1:00 Session J: SSB Atrium - 1:15-2:15 Session K: SSB Atrium - 2:30-3:30 Session L: SSB Atrium - 3:45-4:45
Session E: Roscoe West Annex 201 - 12:00-1:00 Session F: Roscoe West Annex 201 - 1:15-2:15 Session G: Roscoe West Annex 201 - 2:30-3:30 Session H: Roscoe West Annex 201 - 3:45-4:45	

Students	Department	Faculty Mentor	Title of Presentation	Session	Location
School of Arts & Communication					
12:00-5:00 Art Education: Posters on Display in AIMM lobby			3:00-5:00 Graphic Design: AIMM Galleries		
12:00-1:30 Art History: AIMM 230			5:00-5:30 Senior Photo: AIMM Courtyard (rain location AIMM 125)		
1:30-3:00 Fine Art/ Lens-Based Art: AIMM Galleries					
Emily Vogel	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Alyse Delaney	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Piper Torsilieri	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Kristina Robold	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Sarah Ratner	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Rachel Perrotta	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Danielle Costello	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Amanda Palacios	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Meredith Carro	Art & Art History	Anita Allyn	Artist Presentation		TCNJ Art Gallery
Erica Cogland, Caitlyn McNair, Keelin Moran, Natasha Pineiros, Abigail Hosonitz	Communication Studies	Fazio	Hold The Door For Others	C	24
Emily Vogel	Communication Studies	LaJevic	Nationwide Newspaper Coverage of Solitary Confinement: A Community Structure Approach	C	25
Melissa S	Communication Studies	Pollock	Comparing Newspapers Coverage of Post Traumatic Stress in Cases of Rape: A Nationwide Community Structure Analysis	C	26
Joanne Morgan	Communication Studies	Pollock		C	27

Amit Patel, Melissa Morgan, Kelly Ver Haeghe, Michael Ruggiero, Michael DiBlasi	Communication Studies	Pollock	Cross-national newspaper coverage of women's reproductive rights 2011-2015: A community structure approach	C	28
Keelin Moran, Brooke Buonauro, Otto Gomez, Andrea Galfo, Melanie Salmon, Taylor Hart-McGonigle	Communication Studies	Pollock	Nationwide Newspaper Coverage of Rape & Rape Culture on College Campuses	C	29
Melissa S Morgan, Amanda Jahr	Communication Studies	Pollock	Nationwide Newspaper Coverage on Rape and Rape Culture on College Campuses: A Community Structured Approach	C	30
Brielle Richardella	Communication Studies	Pollock		C	31

School of Business

Kaelyn DiGiamarino, Caitlin Rodgers, and Ryan Mechini	Marketing and Interdisciplinary Business	Becker-Olsen	Donald Trump's Use of Fearful Message Framing	A	50
Kaelyn DiGiamarino	Marketing and Interdisciplinary Business	Becker-Olsen	Donald Trump's Use of Biases in Political Persuasion	A	51
Sophie Crossley	Marketing and Interdisciplinary Business	Becker-Olsen	Fear Framing and Motivation	A	44
Daniel Gallagher	Marketing and Interdisciplinary Business	Duan	The Effect of Social Media Pictures on Product Satisfaction	A	45
Kristen Borowski	Management	Ghitulescu	The Impact of Mentoring on ProtÃ©gÃ© Creative Performance	A	46
Carmella Campisano	Accounting	Monseau	EU Taxation of Apple	A	47
Nicole Saakov	Finance	Mirtcheva & McCarty	Recent College Graduates Spending Patterns and the Great Recession	A	49

School of Education

Grace Hostetter	Elementary and Early Childhood Education	Dell'Angelo	Resources and Race in Urban Special Education Classrooms	G	24
Jenna Hartman, Isabelle Greco, Kieran Choi, James Wright, Najah Newton	Elementary and Early Childhood Education	Dell'Angelo	Consider Harassment, Intimidation, and Bullying in Schools	G	25
Dana Madden	Elementary and Early Childhood Education	Dell'Angelo	Classroom Assessment in Urban schools	G	26
Jenna Hartman	Elementary and Early Childhood Education	Dell'Angelo	ASA & other after school programs	G	27
Sarah Shivak	Elementary and Early Childhood Education	Dell'Angelo	Title IX and Education	G	28
Siani Crowell, Andrew Franco, Camille Echols, Lyronda Shakoor	Elementary and Early Childhood Education	Dell'Angelo		G	29
Jennifer Pagliaro	Special Education, Language and Literacy & Deaf Education	Domire	Identifying Best Practices in Video-Prompting Methods for Students with Autism Spectrum Disorder	G	30
Danielle Hutchinson	Elementary and Early Childhood Education	Hinitz	Creation of an Anti-Bullying Teachers' Manual	E	33
Alejandra Meneses	Elementary and Early Childhood Education	Kim-Bossard	Immigrant Preschoolers in New Jersey and Pennsylvania: Investigating Cultural Beliefs and Practices in Early Childhood Education Classrooms	G	31
Mariah Belber	Special Education, Language and Literacy & Deaf Education	Madden	Teaching Recycling and Upcycling as a Life Skill	G	33

Lily Kalczewski	Elementary and Early Childhood Education	Madden	Solve et coagula	G	33
Grace Lazarus	Special Education, Language and Literacy & Deaf Education	Pancsofar	Post-school Outcomes for Young Adults with Deaf-blindness	G	34
Victoria Stoner	Special Education, Language and Literacy & Deaf Education	Pancsofar	Deaf Blind Adult Transition Study	G	35
Krystal Ramsen	Special Education, Language and Literacy & Deaf Education	Peel	The Portrayal of Differences in Literature	G	36
Abbi Anker	Special Education, Language and Literacy & Deaf Education	Petroff	Parent Perceptions of Disabilities in Ghana	G	37
Rachel Anton	Secondary Education/World Languages	Connolly	Spanish—Celebrations	4:00-6:00pm	Roscoe West 201
Jake Cohen	Secondary Education/English	Connolly	<i>Cather in the Rye</i>	4:00-6:00pm	Roscoe West 201
Briana Cruz	Secondary Education/Math	Connolly	Math Applications in the Real World	4:00-6:00pm	Roscoe West 201
Justin Hwang	Secondary Education/Math	Connolly	Sequences and Series	4:00-6:00pm	Roscoe West 201
Katie Letizia	Secondary Education/Math	Connolly	Exponential Growth and Decay Functions	4:00-6:00pm	Roscoe West 201
Alyson Lukacher	Secondary Education/World Languages	Connolly	Spanish 4--Technology	4:00-6:00pm	Roscoe West 201
Nancy Mathis	Secondary Education/Math	Connolly	Exponential Growth and Decay Functions	4:00-6:00pm	Roscoe West 201
Madison Mitchell	Secondary Education/Math	Connolly	Higher Degree Functions and Complex Numbers	4:00-6:00pm	Roscoe West 201
Cynthia Raices	Secondary Education/English	Connolly	<i>The Great Gatsby</i>	4:00-6:00pm	Roscoe West 201
Troy Salnick	Secondary Education/World Languages	Connolly	Spanish—Celebrations	4:00-6:00pm	Roscoe West 201
Nicholas Tabernerero	Secondary Education/Math	Connolly	Geometry	4:00-6:00pm	Roscoe West 201
Noelle Tripodi	Secondary Education/English	Connolly	Coming of Age Stories	4:00-6:00pm	Roscoe West 201
Jordan Virgil	Secondary Education/English	Connolly	<i>Romeo and Juliet</i>	4:00-6:00pm	Roscoe West 201
Brittany Boykas	Secondary Education/Math	Davis	Solving 2-step equations	4:00-6:00pm	Roscoe West 201
Kris Centofanti	Secondary Education/History	Davis	Buddhism	4:00-6:00pm	Roscoe West 201
Christian Dietz	Secondary Education/Math	Davis	Systems of Equations	4:00-6:00pm	Roscoe West 201
Amanda Farrell	Secondary Education/Math	Davis	Equality and Equations	4:00-6:00pm	Roscoe West 201
Hurley Fox	Secondary Education/History	Davis	Manifest Destiny/Moving West	4:00-6:00pm	Roscoe West 201
Nicole Grafanakis	Secondary Education/English	Davis	Poetry	4:00-6:00pm	Roscoe West 201
Kylie Grizzle	Secondary Education/Math	Davis	Functions (8th grade)	4:00-6:00pm	Roscoe West 201
Holly Liebau	Secondary Education/Math	Davis	Systems of Equations	4:00-6:00pm	Roscoe West 201
Maksymilian Popinski	Secondary Education/English	Davis	Dystopian Fiction	4:00-6:00pm	Roscoe West 201
Cat Spano	Secondary Education/Math	Davis	Functions	4:00-6:00pm	Roscoe West 201
Desiree Aponte	Secondary Education/English	Donahue	Destination Graduation: A Reading and Writing Roadmap	4:00-6:00pm	Roscoe West 201
Martha Barabas	Secondary Education/English	Donahue	It's ALIVE: Bringing Gothic Horror to Life	4:00-6:00pm	Roscoe West 201
Olivia Colomier	Secondary Education/Social Studies	Donahue	Making of a Modern America	4:00-6:00pm	Roscoe West 201
Michelle Costanza	Secondary Education/Social Studies	Donahue	The Making of Modern America: The Gilded Age	4:00-6:00pm	Roscoe West 201
Marissa Harrichand	Secondary Education/Social Studies	Donahue	Making of a Modern America: Immigration and Urbanization	4:00-6:00pm	Roscoe West 201
Vincent Masciandaro	Secondary Education/Social Studies	Donahue	Immigration, Industrialization, and Urbanization	4:00-6:00pm	Roscoe West 201
Steven Powers	Secondary Education/Social Studies	Donahue	Israeli/Palestinian Nationalism	4:00-6:00pm	Roscoe West 201
Marina Schreiner	Secondary Education/Math	Donahue	Solving Systems of Equations	4:00-6:00pm	Roscoe West 201
Kristen Villane	Secondary Education/Math	Donahue	Circles, Constructions, and PARCC Preparation	4:00-6:00pm	Roscoe West 201
Alison Walsh	Secondary Education/Math	Donahue	Advanced Algebra and Trigonometry	4:00-6:00pm	Roscoe West 201
Marymargaret Yampaglia	Secondary Education/Math	Donahue	Greatest Common Factors and Factoring Quadratic Equations	4:00-6:00pm	Roscoe West 201
Claire Achilly	Secondary Education/Mathematics	Gordon	Exponential and Logarithmic Functions	4:00-6:00pm	Roscoe West 201
Lauren Besser	Secondary Education/History	Gordon	United States Civics: The Executive Branch	4:00-6:00pm	Roscoe West 201
Numidia Harbi	Secondary Education/English	Gordon	<i>Romeo and Juliet</i> : Universal Themes, Connections, and Discussion	4:00-6:00pm	Roscoe West 201

August Fierontino	Secondary Education/ Mathematics	Gordon	Congruent Triangles	4:00-6:00pm	Roscoe West 201
Ryan Kraus	Secondary Education/Mathematics	Gordon	Quadratic Equations and Functions	4:00-6:00pm	Roscoe West 201
Aviva Lyons	Secondary Education/History	Gordon	Expectations & The Executive Branch	4:00-6:00pm	Roscoe West 201
Phillip Marton	Secondary Education/History	Gordon	Geography of Asia	4:00-6:00pm	Roscoe West 201
Shannon Meier	Secondary Education/Mathematics	Gordon	Functions and Graphing	4:00-6:00pm	Roscoe West 201
Julia Meisterich	Secondary Education/English	Gordon	Fate and Free will in Romeo and Juliet Acts II-V	4:00-6:00pm	Roscoe West 201
Sarah O'Neill	Secondary Education/Mathematics	Gordon	Graphing Linear Equations and Functions	4:00-6:00pm	Roscoe West 201
Lauren Schmitt	Secondary Education/Mathematics	Gordon	Functions and Graphing	4:00-6:00pm	Roscoe West 201
Michael Trommelen	Secondary Education/History	Gordon	The Civil Rights Movement: A Shift in American Society	4:00-6:00pm	Roscoe West 201

School of Engineering

Tarek Hamid, Aakash Trivedi, Avi Shah, Steven Ayala	Biomedical Engineering	BuSha	Alleviation of Arthritic Symptoms through Heat Delivery Using Peltier Modules	D	1
Christopher Gearhart, Benajmin Varone, Dayberkis Arias	Biomedical Engineering	BuSha	Five-Fingered Augmenting Exoskeleton for the Human Hand	D	2
Lauren Loggi, Simran Arjani, Lincy Philip, Monica Sharobeam	Biomedical Engineering	Lau	Stabilizing, Temperature-variable And data-Recording Knee (STARKnee) Brace	D	3
Ananya Sen, Miriam Meller, Silas Rudderow, Danielle Howe	Biomedical Engineering	Lau	Novel Therapeutic E-Textile Designed to Reduce Anxiety	D	4
Alexander Borg	Biomedical Engineering	Lau	Analysis of Bone Strength Losses due to Space Radiation	D	5
Tyler Bitman	Biomedical Engineering	Wagner	PASS (Portable Automated Sterilization System)	D	6
Alexa Magnotta	Biomedical Engineering	Wagner	A Dedicated Venous Stent for May-Thurner Syndrome	D	7
Christina Banat	Biomedical Engineering	Wei	Device for Assessing Plantar Neuropathy	D	8
Pflugger August	Biomedical Engineering	Yan	Hydrogel Printer	D	9
Brian Litt	Civil Engineering	Al-Omaishi	TCNJ Steel Bridge	D	10
Anthony Ferrentino	Civil Engineering	Brennan	New Jersey Route 18 Corridor Redesign	D	11
Michael Vulpis	Civil Engineering	Brennan	Scudder Falls Highway Interchange Redesign	D	12
Lauren Santullo	Civil Engineering	Krstic	Redesign of Monmouth County Bridge S-17	D	13
James Martinez	Electrical and Computer Engineering	Adegbege	Autonomous Quadcopter: Control and Electrical System Design	D	14
Luke May	Electrical and Computer Engineering	Adegbege	Back-End Analog Chip Design	D	15
Haley Blanchard	Electrical and Computer Engineering	Adegbege	An SOR-Like Method for Fast Model Predictive Control	D	16
Tim Lux	Electrical and Computer Engineering	Adegbege	BioDAQ: A Data Acquisition System for Biomedical Signals	D	17
Joseph Stack	Electrical and Computer Engineering	Deese	Gesture Recognition Using Computer Vision	D	18
Joel Hernandez	Electrical and Computer Engineering	Deese	Smart ID	D	19
Raphael Rezkalla	ECE	Deese	Gesture Recognition Using Computer Vision and Neural Networks	D	20

Sebastian Casas	Electrical and Computer Engineering	Hernandez	Software Development for IMET Corporation	D	21
Christopher deRocco, James Burke, Alin Bojkovic	Electrical and Computer Engineering	Katz	Software Defined Hearing Aid	D	22
Jennifer Vasquez	Electrical and Computer Engineering	Katz	Pocket PCR	D	23
John Desalvo	Electrical and Computer Engineering	Katz	Linearizer Temperature Compensation Automation with Optimization	D	37
Theresa Pham	Electrical and Computer Engineering	Kim	Petri Net Modeling of Perceptual Decision Making Algorithms for Better Ball Control and Navigation	D	24
Daniel Ponsini	Electrical and Computer Engineering	Kim	Preferential Passing Processes for Humanoid Robots using Time and Timed Petri Nets	D	25
Ian Patel	Electrical and Computer Engineering	Kim	Intelligent Ground Vehicle Competition 16-17	D	26
Yilin Yang and Olivia is Shanley	Electrical and Computer Engineering	Kim	Motion-Based Humanoid Robot Controller	D	38
Munyoung Kim	Electrical and Computer Engineering	Pearlstein	Convolutional Neural Network Application to Plant Detection, Based on Synthetic Imagery	D	27
Richard Levenson	Electrical and Computer Engineering	Pearlstein	Front-End Design for RISC-V ASIC	D	28
Thomas Gilroy	Electrical and Computer Engineering	Pearlstein	Back End Design of a Custom Application Specific Integrated Circuit (ASIC)	D	29
Kyle Witkowski	Technology Studies	Cappiello	The Design of a Smart Parking Lot	D	30
Shawn Cutts	Technology Studies	Cappiello	The Design The Assisted Motorcycle Shifter (Click Shift)	D	31
Alexandra Paspalas	Technology Studies	Erdreich	The Design of a "Smart" Safety Vest for Runners	D	32
Marissa Capobianco	Technology Studies	Figueroa	Lesson plan development among preservice STEM teachers	C	45
Rudy Tresvalles	Technology Studies	Figueroa	"Smart" Door Lock	D	34
Alexandra Giordano	Technology Studies	Fisher	The Design of an ADHD Simulation	D	35
Megan Zummo	Technology Studies	Garerra	The Deisng of an Automatic Wire Cutter and Dispenser	D	36
School of Nursing, Health & Exercise Science					
Justin Ngai	Nursing	Allen	Health City	C	32
Andrea Noel, Heather Farrell, Dana Ng	Nursing	Blicharz	Emotional Intelligence and Nursing Leadership	C	44
Kevin Moran	Public Health	Seals	Medicaid: Implications of Public Health Insurance and Fraud Remediation Efforts	C	33
Hanna Seo	Public Health	Seals	Observing Nutrition and Health Promotion in Asian American Grocery Supermarkets	C	34
Mariella Hanna	Public Health	Seals	Internship Experience at YES FOCUS North America	C	35
Rachel Mosca	Public Health	Seals	Internship Experience with New Horizon Treatment Services	C	36
Assunta Carey	Public Health	Seals	Internship Experience with New Jersey Department of Health	C	37
Ashley Van Riper	Public Health	Seals	Planned Parenthood: Politics and Health	C	38
Aditi Mahapatra	Public Health	Seals	Internship Experience at the New Jersey Department of Health: Office of Emergency Medical Services	C	39
Jennifer Schablik	Public Health	Seals	Healthy Babies are Worth the Wait: A Qualitative Analysis of Grant Beneficiaries in New Jersey	C	40

Madeline Dec	Public Health	Seals	Analysis of the Capacity of Genetic Services in New Jersey	C	41
School of Humanities & Social Sciences					
Lorena Uriarte	Criminology	Mazeika	The Near-Repeats of Gun Violence Using Acoustic Triangulation Data	C	42
Ryan Theriault	Criminology	Mazeika	The Availability of Public Data Among Urban Police Departments	C	43
Ileana Raimilla	Philosophy	Preti	"The Written Language of Reality" Pasolini & Wittgenstein	B	7
Michael Laudenbach	Philosophy	Preti	Understanding Wittgenstein's "Meaning As Use"	B	8
Noah Malchman	Philosophy	Preti	Are You You?	B	9
Jody Friedman	Philosophy	Preti	The Problem of Other Minds	B	10
Stephanie Orlando	Philosophy	Roberts	Skepticism about Value Aggregation	B	11
Alina Ahsan	Philosophy	Roberts	Harsanyi's Theorem: Consistent with Egalitarianism?	B	12
Dante Colucci	Political Science	Bowen	Tea Party and Leadership in the U.S. Senate	B	3
Karli Ramirez	Political Science	Bowen	Discrimination in House Elections: Does Candidate Race Affect Campaign Contributions?	B	4
Daniel Kim	Political Science	Bowen	Campaign Fundraising and Congressional Action on Environmental Legislation	B	5
Brittany Hulbert	Political Science	Bowen	Diversity in Congress: A Product of the Importance People Place on Each Chamber	B	6
Kevin Bryson	Political Science	Bowen	Does Magnitude of Political Ideology Impact Favorability of Congress?	C	26
William Jones	Political Science	Bowen	Members of Congress and The Youth Constituency	C	27
Jonathan Tobias	Political Science	Bowen	Beyond the District: Campaign Financing and Congressional Representation	C	28
Fran Hagarty	Political Science	Bowen	Race, Gender, and Candidate Emergence	C	29
Connor Rittley	Political Science	Bowen	The Rise of Single-Issue Voters in Congressional Elections	C	30
Maria Guerra	Political Science	Bowen	Split-ticket Voting	C	31
Anthony Foti	Political Science	Bowen	Testing Elections and Credit Claiming	C	32
Patrick Thane	World Languages & Culture	Compte	Teaching of English to Speakers of Other Languages at LALDEF: A Transformative Experience	B	33
Gabriella Bieniasz	World Languages & Culture	Mi	Public Health Awareness for Asian Americans	B	34
Patrick Thane	World Languages & Culture	Morin	The aspect hypothesis and ESOL textbooks: Are pedagogical materials prepared with prototypes in mind?	B	35
Jaelyn Kukoff, Zuri Gill, Margaret Cyr-Ohngemach , Melissa Garfinkel	Pyschology	Crawford	Cognitive Style as a Predictor of Attitudes on Condom Carrying	K	1
Katerina Lалlos	Pyschology	Crawford	Does Racial Progress Influence Perceptions of Anti-White Bias: A Wilkin's replication study	K	2
Isabella Franceschini	Pyschology	Crawford	Does Racial Progress Effect Perceptions of Anti White Bias: A Replication Study	K	3
Courtney Conner	Pyschology	Crawford	Racial Progress and Anti-White Bias: A Replication of Wilkins & Kaiser 2014	K	4
Katelyn Leong	Pyschology	Dahling	Examining the Intersection of Racial and Religious Discrimination	K	5
Shira Pollack	Pyschology	Dahling	Joint Effects of Attitudes and Knowledge on Reactions to Religious Accommodations at Work	K	6
John Aitken	Pyschology	Dahling	Happy Holidays or Merry Christmas? Predictors of Religious Discrimination in the Workplace	K	7
Jesse Dariano	Pyschology	Dahling	Fit as a Predictor of Attraction to Religious and Spiritual Businesses	K	8
Danny Gallagher	Pyschology	Grimm	The Effect of Gameplay and Game-Making on Cognition, Confidence, and Attitudes Toward STEM	J	1
Giulietta Flaherty	Pyschology	Herres	The Relationship Between Academic Achievement and Emotional Reactivity in College Students	J	2
Emma Young	Pyschology	Herres	Externalizing Symptoms and Emotional Reactivity Among a Sample of Suicidal Youth	J	3

Melissa Foti	Pyschology	Herres	Role of Family Involvement in Treatment of Adolescents in Group Homes with History of Trauma	J	4
Dara Kushnir	Pyschology	Leynes	Effect of Encoding Focus on Action Memory	J	6
Brittany Mok	Pyschology	Leynes	The FN400 Relative to Meaningful and Meaningless Stimuli	J	7
Ariane Ramos	Pyschology	Martinetti	The Effects of Environmental Enrichment on Behavioral Economic Demand for Alcohol in Long-Evans Rats: A Replication	J	8
Keaton Gray	Pyschology	Ruddy	Internship at New Horizons Treatment Center: A Mindfulness Intervention	I	1
Cora Minadeo	Pyschology	Ruddy	Internship at ToBeMindful	I	2
Jennifer Ricciardi	Pyschology	Ruddy	Internship at Somerset County Vocational and Technical High School	I	3
Elizabeth Cornell	Pyschology	Ruddy	ABA Interventions for Students with Agressive Behaviors	I	4
Courtney Carsillo	Pyschology	Ruddy	Speech Pathology Internship at Countryside Elementary School	I	5
Kevin Brady	Pyschology	Ruscio	Momentum In Sports: Realistic or Just An Illusion?	I	6
Kendall Walker	Pyschology	Stahl	Factors Influencing High School Students' Decision to Apply to College	I	7
Rocco Siravo	Pyschology	Becker-Olsen	Representation in the Media: Why it is important to find characters in which we can see ourselves	I	8
Fidel Diaz	Sociology and Anthropology	Gazley	FIRSTS research	B	13
Rebecca Colnes	Sociology and Anthropology	Li	Comparing the Type of Sources Newspapers used During the West Nile and H1N1 Epidemics To See the Effects of Newsroom Cutbacks	B	14
Haley Johnson	Sociology and Anthropology	Li	Does Size Matter: Exploring the Efficiency of Epidemic Reporting	B	15
Nicole Howard	Sociology and Anthropology	Li	Effects of Newsroom Cutbacks as seen Through the Analysis of Quality of Coverage for West Nile Virus and Zika	B	16
Megan Merbach	Sociology and Anthropology	Li	Analyzing the use of Scholarly Sources in Epidemic Reporting	B	17
Chelsea LoCascio	Sociology and Anthropology	Li	From Cutbacks to Chaos: Are Newspapers Helping Readers Identify Soltuions During Epidemic Outbreaks?	B	18
Edianys Lima Enriquez	Sociology and Anthropology	Li	How Non-experts Are Shaping Epidemic News Reporting	B	19
Jennifer Teets	Sociology and Anthropology	Li	Analyzing the Quality of Reporting of Epidemic Outbreaks in Relation to Newsroom Cutbacks	B	20
Meme Cisse	Sociology and Anthropology	Shakow	Student Research on Socioeconomic Class and Consumption	B	21
Yani Aldrich	Sociology and Anthropology	Shakow	MUSE; Student Employment and Socioeconomic Class	B	22
Ruby Bertola	Sociology and Anthropology	Bates	Environmental Studies Capstone Paper	B	23

School of Science

Computer Science Itinerary

11:30-12:15pm	Lunch and Games - Forcina 409
12:15-1:00pm	Annual Awards Ceremony - Forcina 408
1:00-1:30pm	UPE Induction Ceremony, Forcina 407
1:30-2:30pm	Presentation Session 1 - Forcina 423
2:30-3:30pm	floor

Kevin Bohinski	Computer Science	Papamichail	Redesign Log Pipeline	1:30-3:30	Forcina 4th Floor
David Shull	Computer Science	Knox	Cross-Platform TCNJ Library Mobile Application Using the Ionic Framework	1:30-3:30	Forcina 4th Floor
Ryan Haines	Computer Science	Bloodgood	Learning Curve Analysis with Different Sampling Algorithms	1:30-3:30	Forcina 4th Floor
Keenan Sayers and Garrett Beatty	Computer Science	Bloodgood	Learning Curve Analysis with Different Data Representations	1:30-3:30	Forcina 4th Floor
David Vassallo and Jabari Brown	Computer Science	Salgian	Computer Based Conducting Tutor Demo	1:30-3:30	Forcina 4th Floor
Michael Packi and Arielle Aponte	Computer Science	Salgian	Face Recognition Demo with Nao Robot	1:30-3:30	Forcina 4th Floor
Jake Orben	Computer Science	Papamichail	Internship	1:30-3:30	Forcina 4th Floor
Tomer Aberbach	Computer Science	Bloodgood	Learning Curve Analysis with Different Base Algorithms	1:30-3:30	Forcina 4th Floor
Brad Bonin	Computer Science	Yoon	A Safer Future Through Temporal Model-based Predictive Crime Analysis	1:30-3:30	Forcina 4th Floor
Evan Melquist	Computer Science	Pulimood	An Investigation into Data Integration and Reliability	1:30-3:30	Forcina 4th Floor
Jan-Lucas Ott and Angela Huang	Computer Science	Papamichail	Reconstructing Live Phylogenies of Texts and Viruses Using Weighted Parsimony	1:30-3:30	Forcina 4th Floor
Brooks Wegmann	Computer Science	Li	Use Asterisk to Identify Telemark Callers and Spoofing Callers	1:30-3:30	Forcina 4th Floor
Smita Govilla	Biology	Bricker	DNA Extraction Techniques for Freshwater Diatoms Used as Bioindicators	E	1
Sakhi Patel	Biology	Bricker		E	2
Madhu Gundlapally	Biology	Butler	"Effect of climate-based variability in molt onset on feather quality of the Carolina Chickadee"	E	3
Vaishali Ravikumar	Biology	Clement	The Structure, Diversity, and Phylogenetic Utility of 45S rDNA in Viburnum	E	4
Isabel Distefano	Biology	Clement	Phylogeny of informs evolutionary classification of Physcia, a diverse genus of foliose lichens	E	5
Theodore Stammer	Biology	Clement	The Evolution of Endocarp Morphology in Viburnum (Adoxaceae)	E	6
Kyle Siegel	Biology	Dickinson	Examining the interactive effects of salinity and ocean acidification on the physiology of the barnacle Amphibalanus amphitrite	E	7
Shrey Patel	Biology	Dickinson	Determining the Impacts of Ocean Acidification on the Biochemical and Mechanical Properties of the barnacle Amphibalanus amphitrite	E	8
Dana Tedesco	Biology	Dickinson	Effects of ocean acidification and temperature on biomineralization and adhesion in the barnacle, Amphibalanus amphitrite	E	9
Trina Marie Salvador	Biology	Dickinson	The effects of ocean acidification on carapace and chelae biomineralization in Tanner crabs (Chionoecetes bairdi)	E	10
Eileen Hu and Maria-Magdalene Pugliese	Biology	Elderkin	Conservation Genetics of Margaritifera margaritifera	E	11
Raagni Kumar	Biology	Elliott	YqgF, a predicted Holliday junction resolvase, shows anti-repair phenotype in Acinetobacter bayli ADP1	E	12
Kathryn Bellissimo	Biology	Elliott	Investigation of potential partnership between yqgE/algH and yqgF, a nearly ubiquitous bacterial gene that enhances susceptibility to DNA damage in Acinetobacter baylyi ADP1	E	13
Tirth Patel	Biology	Elliott	Preliminary investigations into large spontaneous deletions in the Acinetobacter baylyi ADP1 genome	E	14
Varahi Trivedi	Biology	Erickson	A comparison of serotonin neuron innervation to the pre-Botzinger complex in nicotine- and saline-treated neonatal wild type and Pet-1 knockout mice	E	15
Samantha Palahnuk and Dylan Sen	Biology	Erickson	A comparison of respiratory rhythmogenesis from the isolated brainstem-spinal cord of serotonin deficient and wild-type neonatal mice exposed to nicotine	E	16
Sapna Shah	Biology	Erickson	Mother-Infant Interactions: The Effects of Serotonin Deficiency on Ultrasonic Vocalizations in Neonatal Pet-1 Mice	E	17
Daniella Mikhail	Biology	Erickson	Quantification of Bart's Hemoglobin to Improve Reporting Possible Alpha-Thalassemia	E	18

Ahmed Mahmoud	Biology	Erickson	Effects of ammonium, urea and nitrate concentrations on E. coli growth	E	19
Tiffany Yu	Biology	Erickson	Investigating the Role of the Ankyrin Repeat Domain in Mind Bomb-1 Function	E	20
Sai Batchu	Biology	Erickson	Maximizing tyrosine accumulation in Arabidopsis thaliana	E	21
Aman Upadhyay	Biology	Erickson	Optogenetic investigation of muscle function following facial nerve transection in mice	F	27
Aman Upadhyay and Alisha Basak	Biology	Erickson	Investigation of cardiorespiratory control following developmental exposure to nicotine in a serotonin-deficient context: Use of the Pet-1 mouse model	E	23
Shree Nadkarni	Biology	Erickson	Examining Exosomal RNA in Glioblastoma Multiforme	E	26
Margaret Kennedy	Biology	Kress	Histone H3K36 Demethylase Proteins Jhd1 and Rph1 are Required for Efficient Pre-mRNA Splicing in Saccharomyces cerevisiae	G	14
Michael Wolek	Biology	Lovett	Utilizing qPCR and gene sequencing to monitor FAOMeT transcription in Carcinus maenus in response to salt stress	G	15
Giavanna Pratta	Biology	Lovett	Gene expression and sequence of elongation factor 2 (EF2) in Carcinus maenas	G	16
Marisa Grillo	Biology	Morrison	The Role of Bird Dispersers in the Invasion of a Non-Native Shrub Berberis thunbergii	G	17
Anna Torchiano	Biology	Nayak	Determining the effects of cadmium on the lifespan and development of Caenorhabditis elegans	F	1
Leah Steinberg	Biology	Nayak	Lifespan Extension of C. elegans Due to Sodium Sulfite-Induced Hypoxia	F	2
Theodore Kozlowski	Biology	Norvell	Cytoplasmic Polyadenylation of grk mRNA Mediates Grk Protein Distribution in Oogenesis	F	3
Zachary Lo	Biology	Pecor	Effects of depressants and stimulants on memory retention of Dugesia tigrina	F	4
Monica Chakraborty	Biology	Peel	Characterization of Double Mutant Worms With Reduced Glutamylating Activity	F	5
Steven John	Biology	Peel	Hyperglutamylating of the Microtubules Causes Germline Defects	G	18
Kate Badecker	Biology	Peel	Loss of Glutamylating Enzymes in C. elegans Suggests Redundancy in Function Among Enzymes	F	7
Monica Martinez	Biology	Peel	Effects of polyglutamylating on microtubule dynamics	F	8
Ashley Leto and Janis Tamuliuhan	Biology	Reinert	Invasive Boa constrictor Diet in an Island Habitat: A 16-year Study	F	25
Ashley Leto and Janis Tamuliuhan	Biology	Reinert	Habitat and Temperature Preference in Juvenile Cornsnakes	F	26
Sonia Bhutra	Biology	Reinert	Skin permeability of neonatal and adult Corn Snakes (Pantherophis guttatus)	F	10
Amanda Blandford	Biology	Reinert	Dietary Composition of the Eastern Massasauga Rattlesnake (Sistrurus catenatus) in Pennsylvania	F	11
Deval Jhaveri	Biology	Shevlin	Sporisorium ellisii species determination and variation based on ITS and Pep1 region sequences	F	12
Anil Salem	Biology	Shevlin	An Inter Sequence Simple Repeat (ISSR) Marker-based Analysis of intra- and inter-population genetic diversity of the obligate parasite Sporisorium ellisii on its host plant Andropogon virginicus	F	13
Sarthak Mohanty	Biology	Shevlin	The parasitic life cycle of the obligate endoparasite Sporisorium ellisii on its host plant Andropogon virginicus	F	14
Ariel Moskowitz	Biology	Thornton	Exploring the Role of CYP72A Genes in Maize Stress Response	F	15
Kanza Tahir and Nisha Sanghani	Biology	Thornton	Identifying Arabidopsis CYP72A CRISPR mutants to study their role in plant stress responses.	F	16
Amit Patel	Biology	Wund	Rapid Morphological Evolution of Stickleback Fish	F	17
Robert Siracusa	Biology	Wund	Mercury Contamination of Fish in the Delaware River.	F	18
Lindsay Drubel	Biology	Wynne	When gene editing goes wrong: characterizing an unintended new mutation in a gene that controls meiosis	F	19
Deeya Das	Biology	Wynne	Chromosome chronicles: Silencing genes to study chromosome separation	F	20
Erika Pianin	Biology	Wynne	Determining the Function of HASP-2 in the Special Cell Division Producing Eggs and Sperm	F	21
Tanisha Nair	Biology	Morrison	Microstegium vimineum interaction with species of different plant architectures	F	22

Ryan Goolic	Biology	Morrison	Shared geographic origin may facilitate the invasion of plant and detritivore coinaders	F	23
Rachel Scalese	Biology	Morrison	A study of the white-footed mouse, <i>Peromyscus leucopus</i> , population size and resonance time in relation to deer pressure and Japanese stilt grass coverage in suburban New Jersey forests.	F	24
Kiara Proano	Biology	Morrison	Variation in mycorrhizal fungi abundance within suburban forests: consequences for taproot vs. fibrous root plants	F	25
Andrew DiBenedetto	Biology	Morrison	The Effects of Increased Herbivory and Invasive Species on Trans-Seasonal Dynamics of the 21st Century Forest	F	26
Nicole Potter	Biology	Morrison	Relationship between geographical origin of herbaceous plants and species diversity in the presence of <i>Microstegium vimineum</i>	F	27
Anna Zauner	Biology	Morrison	Relationship between earthworms and soil microbecContent and its effects on native and nonnative plant communities	F	28
Olivia Sohn	Biology	Morrison	Herbivory and induced thorn defense of a native and invasive shrub in the suburban forest	G	19
Anna Torchiano	Biology	Sudhir	Determining the effects of cadmium on the lifespan and development of <i>Caenorhabditis elegans</i>	F	30
Monica Strowbridge	Chemistry	Abourahma	Building Extended Metal-Organic Structures From Dimetal Tetracarboxylate Building Units	C	1
Celine Mileham	Chemistry	Abourahma	Supramolecular Synthesis of Cocrystals with Azobenzene Dyes and 4-pyridyl Compounds	C	2
Shaziya Ahmed	Chemistry	Abourahma	Synthesis of Metal Organic Frameworks from Large Dimetal Tetracarboxylate Cluster Nodes using 4,4'-bipyridylethene	C	3
Eric Liberato	Chemistry	Allison	Makishi Masks of Zambia	C	4
Rebecca Goncalves	Chemistry	Baker	Investigating the structure of the <i>Neisseria meningitidis</i> type IV pilus	C	5
Mattheus DeSouza	Chemistry	Baker	Studying the Stability of Trp-cage in Various Ionic Liquids	C	6
Troy Brier	Chemistry	Baker	Analyzing pilin-pilin interactions during aggregation using a coarse grained model	C	7
Keyur Patel	Chemistry	Baker	Investigating the interactions between a bacterial protein and DNA with computer modeling and simulation	C	8
Kaitlyn Dickson	Chemistry	Bradley	Approaches to synthesizing tetrahydrobenzazepine systems	C	9
Stephen Schmidt	Chemistry	Bunagan	Conformational Changes in 2 Intrinsically Disordered Peptides	C	10
Kyle Barrie	Chemistry	Bunagan	Circular Dichroism Study of Late Embryogenesis Abundant (LEA) Proteins in Reverse Micelles	F	24
Shayna Rumrill	Chemistry	Chan	Transition Metal Complexes with Sulfonamidoquinoline Ligands	C	11
Arturo Morillo	Chemistry	Chan	Oxidation of Cerium(III) Sulfonamide Complex to Cerium (IV) Sulfonamide Complex	C	12
Carmen Carusone	Chemistry	Chan	The Effectiveness of Flipped Classrooms in the Study of Chemistry.	C	21
Irene Molina	Chemistry	Fazen	Efficacy of Truncated Synthetic Analogues of the Human Antimicrobial Peptide Salvic Against <i>Escherichia coli</i> Persister Cells	C	13
Cody Reiber	Chemistry	Fazen	Synthesis and Effectiveness of Antimicrobial Peptide Temporin F Analogues against <i>Escherichia coli</i> Persister Cells	C	14
Jacob Riordan	Chemistry	Guarracino	Using a Cyclic Peptide to Inhibit Thrombosis Formation	C	15
Sara Martin	Chemistry	Guarracino	Investigating the Antithrombotic Potential of Cyclic Peptides	C	16
Katherine Fomchenko	Chemistry	Hirsh	Enzyme-Enzyme Proximity Stimulates iNOS Activity: Aggregation Studies	C	17
Sabrina Chase	Chemistry	Hirsh	Effect of Solvent Dielectrics on EPR Signal Intensity.	C	18
Max Nazario	Chemistry	Hunt	Total synthesis of phosphoramidon derivative for use in EPR spectroscopy	C	19
Marc Casale	Chemistry	Hunt	A Novel Preparative Route to Hydantoin Derivatives	C	20
Jay Kloskowski	Chemistry	Hunt	Study of the Reaction of 1,2-Cyclohexanedione and omega-N-BOC Alkyl Amines	G	1

Hasan Khan	Chemistry	Hunt	A Study of the Reaction of 1,3-Cyclohexanedione with Alcohols under Acid-Catalyzed Conditions	G	2
Stephen Liang	Chemistry	Hunt	Cyclization with beta-Nitrostyrene via Michael Addition	G	3
Tanya Townsend	Chemistry	O'Connor	Mechanistic and Kinetic Insights into Transfer Hydrogenation Using Cp*Ir(III)Cl Pyridinesulfonamide Complexes	G	4
Eric Schreiber	Chemistry	O'Connor	Steps Toward Utilizing Cp* Iridium Complexes for Oxidation of Alcohols	G	5
Justin Steets	Chemistry	O'Connor	Optimizing Catalytic Reaction Conditions for Selective Reduction of Nitro Groups via Transfer Hydrogenation	G	6
Samantha Loh	Chemistry	O'Connor	Progress Towards an Eco-Friendly Synthesis of a Pincer-Ligand for Rare Earth Metal Extraction	G	7
Seema Desai	Chemistry	Sen	Lead Contamination in Soil, a New CHE 202 Module for Community-Based Learning Activities	G	8
Andrea Garcia	Chemistry	Sen	Functional Expression of Type 1 FPPS	G	9
Brandon Martinez	Chemistry	Sen	Computational Modelling of FPPS	G	10
Vikas Akkaraju	Chemistry	Sen	Identification of the Enzyme Responsible for the Oxidation of farnesol in Insects	G	11
Mattheus DeSouza, Alexandra J. Heyert, Gerrick E. Lindberg, Joseph L. Baker	Chemistry	Baker	Studying the Stability of Trp-cage in Various Ionic Liquids	G	12
Matthew Zajac and Chiara Palombi	Chemistry	Allison	Dyes, Digests, and Doping Agents: Sequencing Proteins using MALDI Mass Spectrometry	G	13
Kylie Getz	Math & Statistics	Conjura	Financial Math	A	1
Amanda Udes	Math & Statistics	Curtis	Knot Theory: Alexander Polynomial	A	2
Alexandra Jasko	Math & Statistics	Curtis	Mod P-Colorings of Knots	A	3
Sara Sbeiti	Math & Statistics	Curtis	Bracket/Jones Polynomial	A	4
Matt Sichel	Math & Statistics	Curtis	euler characteristic	A	5
Cory Weinfeld	Math & Statistics	Curtis	The Borsuk-Ulam Theorem: An Algebraic-Topology Perspective	A	6
Nerylix Cerda	Math & Statistics	Curtis	USING MATHEMATICS TO PROVE ECONOMIC EQUILIBRIUM	A	7
Julie Van Malden	Math & Statistics	Curtis	Borsuk-Ulam Fixed Point Theorem and the Necklace Problem	A	8
Michael Staples	Math & Statistics	Curtis	The Iwasawa Decomposition of $SL(2, \mathbb{R})$	A	9
Miguel O'Malley	Math & Statistics	Curtis	Understanding Hyperbolic Rigid Motions with Matrices	A	10
Michael Ploch	Math & Statistics	Curtis	Using Group Theory to Study Knots	A	11
Michael Pizzimenti	Math & Statistics	Curtis	Linking Numbers and the Alexander Polynomial	A	12
Rebecca Santorella	Math & Statistics	Gevertz	Optimal Control Theory	A	13
Juliette Daily	Math & Statistics	Gevertz	Characteristics of and Chaos in the Julia Set	A	14
Alexandria Puza	Math & Statistics	Gevertz	Limit Cycles - Exploring Neuron Impulses	A	15
Kyle Bendish	Math & Statistics	Gevertz	Discrete Logistic Maps and Chaos	A	16
Amanda Bowsky	Math & Statistics	Gevertz	Markov Chains and their Applications	A	17
Shalin Bhatt	Math & Statistics	Gevertz	Nonlinear Systems of Differential Equations and Two Dimensional Bifurcation Diagrams	A	18
Jordan Fleming	Math & Statistics	Gevertz	The Schwarzian Derivative and its Applications	A	19
Eva Motto	Math & Statistics	Gevertz	Construction and Properties of Fractals	A	20
Shalini Basu	Math & Statistics	Hagedorn	Quaternion Groups and Their Applications	A	21
Danielle Demateis	Math & Statistics	Ochs	GESSA-CA: Multiscale Model of Tumor Growth	A	22
Trevor Fullman	Math & Statistics	Ochs	Predicting House Values	A	23
Samantha Sullivan	Math & Statistics	Ochs	Estimation of Flood Magnitude and Frequency for New Jersey Streams	A	24
Lindsey Nigro	Math & Statistics	Ochs	Classifying fetal cardiocograms using machine learning	A	25
Dana Disarno	Math & Statistics	Ochs	Drugs, Alcohol, and Abuse: The relationship between self reported substance use and college conduct violations, by Dana Disarno	A	26

Matthew Velzy	Math & Statistics	Ochs	Predictive Modeling in Hockey	A	27
Melissa Martin	Math & Statistics	Ochs	Statistical Analysis of Crime Data	A	28
Elizabeth Eisenhauer	Math & Statistics	Ochs	Causal Modeling of Cell Signaling Networks in Breast Cancer	A	29
Olivia Reynaldo	Math & Statistics	Ochs	Student health at TCNJ	A	31
Shawn Flynn	Math & Statistics	Ochs	Variability of predicting wins in Major League Baseball	A	32
Danielle Smolyn	Math & Statistics	Ochs	Predicting IMDB Movie Ratings	A	33
Nathan Kardos	Math & Statistics	Ochs	Statistical view of trends in personality	A	34
Alexandria Salib	Math & Statistics	Ochs	Analysis of Student Alcohol Abuse and Prevention	A	35
Danielle Grasso	Math & Statistics	Ochs	NHL Playoff Prediction	A	36
Evan Harris	Math & Statistics	Ochs	NBA Predictions and The Effect of the 3-Point Shot	A	37
Elizabeth Eisenhauer	Math & Statistics	Ochs	Causal Modeling of Cell Signaling Networks in Breast Cancer	A	38
Chris Campbell	Math & Statistics	Ochs	Predicting Credit Card Default	A	39
Mark Shenloogian	Math & Statistics	Ochs	Predicting Team Success in the NFL	A	40
	Math & Statistics				
Sharon Ling and Ethan Crasto	Math & Statistics	Holleran	An examination of the factors associated with gang membership: An application of random forest	A	30
Nicholas Bolle and Ben Campos	Physics	McGee	Influence of Optical Intensity Profile on Amplitude of Laser-Induced Surface Relief Gratings in Azobenzene-Polymer Films	E	27
Rachel Fury	Physics	McGee	Fabrication of Large-area Dichromate Gelatin Films for Holographic Image Storage	E	28
Kevin Hurler	Physics	Mezzacappa	The Role of Laser Character in LIBS Excitation	E	29
Andrew Trippiedi	Physics	Capece	Quartz Crystal Microbalance for Evaporation Experiments	E	30
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Ryan Wilson	Physics	McGee	Quantum Optics: Development of Experiments to Observe Non-Classical Behavior of Light	E	31
Ed Witkowski	Physics	Mcgee	Numerical Simulations of Gaussian Laser Beam Fields for Optical Lithography	E	32

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Kelly Lukens	Center for Community Engaged Learning and Research	Figuera-Vega		E	1
Julia Livesey	Center for Community Engaged Learning and Research	Figuroa	Advancing Self-Sufficiency in Trenton	E	2
Kenneth Estrada	Center for Community Engaged Learning and Research	Figuroa-Vega		E	3
Melody Hwang	Center for Community Engaged Learning and Research	Figuroa-Vega	Working at the Learning Lab	E	4
Ryan Theriault	Center for Community Engaged Learning and Research	Figuroa-Vega	Developmental and Impactful	E	5
Jack Baldwin	Center for Community Engaged Learning and Research	Figuroa-Vega	My Social Justice Journey	E	6
Grace Hostetter	Center for Community Engaged Learning and Research	Figuroa-Vega	Environmental Education in Urban After School Programs	E	7
Laurence Hochman	Center for Community Engaged Learning and Research	Figuroa-Vega	Connecting Communities: Health, Food, and Equity	E	8
JENNINE EBANKS	Center for Community Engaged Learning and Research	Figuroa-Vega	Change is Inevitable	E	9
Mariah Springer	Center for Community Engaged Learning and Research	Figuroa-Vega	Social Justice: A Lifelong Commitment	E	10

Larissa DePamphilis	Center for Community Engaged Learning and Research	Figueroa-Vega	Unified Learning	E	11
JANICE EBANKS	Center for Community Engaged Learning and Research	Figueroa-Vega	HOW THE TRENTON AREA SOUP KITCHEN IMPACTED MY MISSION AS A NURSE	E	12
Devon Tam	Center for Community Engaged Learning and Research	Figueroa-Vega	Harnessing Digital Technology and Research for Social Justice	E	13
Mary Ruiz	Center for Community Engaged Learning and Research	Figueroa-Vega	International Perspective	E	14
Cleo Kordomenos	Center for Community Engaged Learning and Research	Figueroa-Vega	Bridging the Gap from Research to Practice in an Urban After-school Setting	E	15
Israel Dominguez	Center for community engaged learning and research	Figueroa-Vega	Merging my major with the Bonner program	E	16
Moses Yasin	Center for Community Engaged Learning and Research	Figueroa-Vega	Filling Disparities within Society	E	17
Emily Adcock	Criminology	Bates	The Importance of Gender Specific Programming in the Juvenile Justice System	E	18

