

April 13-15,
2015

EURēCA

Exhibition of Undergraduate Research & Creative Achievement



eureca.utk.edu

THE UNIVERSITY OF
TENNESSEE
KNOXVILLE



UNDERGRADUATE RESEARCH

Welcome to the University of Tennessee's 19th annual **Exhibition of Undergraduate Research and Creative Achievement (EURêCA)**. Held each spring, this event celebrates original and creative works completed by undergraduate students as the highlight of Research Week events and celebrations. Moreover, it recognizes the important role of faculty in providing mentoring to students in their academic and professional disciplines.

The Office of Undergraduate Research coordinates this unique competition to encourage, support, and reward undergraduate participation in the campus research enterprise. An added value is the development of faculty mentoring relationships.

The diverse array of exhibits and performances highlight a broad range of endeavors and approaches. The presentations include both individual and team efforts, and represent projects pursued beyond course requirements as well as projects that illustrate the pursuit of original work in the classroom.

Generous support for this event is provided by the Office of the Chancellor and the Office of Research and Engagement. Awards were provided by colleges, departments, Phi Kappa Phi National Honor Society, and UT, Knoxville's Office of Sustainability. Also we send a big thank you to our division representatives in organizing the participants from their areas and to our judges for all of their hard work in selecting this year's winners.

This year EURêCA is being held in Hodges Library and we are thankful for the time and effort the library has devoted to ensuring this event is a success.

Thank you for taking the time to visit the event, speak with the students, and support the excellent undergraduate research and creativity activity at The University of Tennessee, Knoxville. If you would like to become more involved in undergraduate research, I encourage you to take advantage of our enhanced institutional membership of the Council on Undergraduate Research as well as contact our office for information on how to get started.

Sincerely,

Marisa Moazen, Ph.D.
Director, Office of Undergraduate Research

Exhibition of Undergraduate Research and Creative Achievement 2015

Schedule of Events

Monday, April 13, 2015

5:00 p.m. - 8:00 p.m. Exhibition opens for judging only

Tuesday, April 14, 2015

9:00 a.m. – 6:00 p.m. Exhibition open for viewing in Hodges Library

6:00 p.m. – 7:30 p.m. Awards Ceremony at the University Center Tennessee Auditorium

Musical Performance

*School of Music EURēCA top winner, selected at the University of
Tennessee's School of Music 2015 Celebration of Excellence Competition,
performance:*

Scherzo No. 2, Opus 31 in Bb minor by Frederic Chopin

Wesley Carroll, Piano

Faculty Mentor: Professor Fay Adams

Awards Presentation

Wednesday, April 15, 2015

9:00 a.m. – 3:00 p.m. Exhibition open for viewing in Hodges Library

Exhibition of Undergraduate Research and Creative Achievement

2015 Division Representatives

Suzanne Allard
Communication & Information

Christine Boake
Arts & Sciences

Phillip Daves
Business

T.K. Davis
Architecture & Design

David Dupper
Social Work

Kimberly Gwinn
Agricultural Sciences & Natural Resources

Kevin Kit
Engineering

Andrew Skoog
Music

Cary Staples
Art

Jamia Stokes
Education, Health, & Human Sciences

Kathleen Thompson
Nursing

Terry Weber
Theatre

Office of Research & Engagement

Taylor Eighmy
Vice Chancellor for Research & Engagement

Janet Nelson
Associate Vice Chancellor for Research Development

Robert Nobles
Assistant Vice Chancellor for Research

Office of Undergraduate Research

Marisa Moazen
Director of Undergraduate Research

Special thanks to Vanessa Frye, communications studies major, for assisting in the execution of EURēCA and designing all advertisements and collateral materials.

EURēCA

Exhibition of Undergraduate Research & Creative Achievement

This year, over 420 undergraduate students from the University of Tennessee will be presenting their research and creative activity at EURēCA. This research covers many different disciplines, from sculpture to stock market studies, and are categorized into the following 11 judging divisions:

College of Agricultural Sciences and Natural Resources
College of Architecture and Design
College of Arts and Sciences
School of Art, College of Arts and Sciences
School of Music, College of Arts and Sciences
Haslam College of Business
College of Communication and Information
College of Education, Health, and Human Sciences
College of Engineering
College of Nursing
College of Social Work

College of Agricultural Sciences and Natural Resources

Exhibit #	Student Name	Department	Project	Faculty Mentor
166	Amanda Dean	Agr Leadership, Educ, Comm	Women in Agriculture: A Qualitative Study Examining How Women have Sustained their Leadership Roles in Australia	Carrie Stephens
167	John Glafenhein, Jennifer Chandler	Animal Science	Low Cost, Non-chemical Control Strategies for Small Bed Bug Infestations in Furniture	Karen Vail
168	Margaret Laflamme	Animal Science	The relationship between measures of reproductive soundness, behavior, and hair testosterone concentrations during performance testing of bulls	Hank Kattesh
169	Jessie Richards, Manasi Balachandran	Animal Science-Veterinary Medc	Serological diagnosis of Parelaphostrongylus tenuis infection	Stephen Kania
170	Dara Smith	Biology	Monitoring Presence of Shiga Toxigenic Escherichia Coli (STEC), Salmonella and Indicator Microbes within Rainwater Catchment Systems	Faith Critzer
171	George Whitaker	Biosystems Engr/Envr Science	Retrofitting Tractors with SAE compliant ROPS using a Computer-Based Design Program	Paul Ayers
172	Mary Iannuzzi, Miles Ownby, Austin Sanders, Andrew Lynch	Biosystems Engr/Soil Science	Facilitated ROPS Installation When Moving From Obstructed to Open Terrain	Paul Ayers
173	Cody Palmer	Food Science and Technology	Examining the Impact of Teacher Professional Development Models on Food Safety Knowledge, Attitudes, and Behaviors.	Jennifer Richards
174	Mikayla Goodman	Food Technology and Science	Chenopodium berlandieri: Characterization and Importance of Exhibited Antimicrobial Properties	Kimberly Gwinn
175	Carson Lillard, Reilly Jackson, Benjamin Wilson	Forestry, Wildlife/Fisheries	Temperature Drives Susceptibility of Eastern Hellbender Larvae to Ranavirus	Mathew Gray
176	Devarshi Ardeshta	Interdisciplinary Programs	Identification of high frequency conjugation factors in Campylobacter jejuni	Jun Lin
177	Meredith Peck	Plant Sciences	Pollen-specific EcoRI expression in Panicum virgatum: a bioconfinement strategy	Neal Stewart

College of Architecture and Design

Exhibit #	Student Name	Department	Project	Faculty Mentor
12	Daniel Allen	Architecture	Knoxville Medium-Mega Superscape	Keith Kaseman
13	Anna Biggs	Architecture	Cabinet of Curiosities	Brian Ambroziak
14	Geoffrey Cavalier	Architecture	The Green Oak Initiative	Theodore Shelton Jr
16	William Dunn	Architecture	Cabinet of Curiosities	Brian Ambroziak
130	Geneva Frank	Arch/Inter Dsgn Interdepart	Seyfarth Shaw â€” A Programmatic Design	Ryann Aoukar
131	Geneva Frank	Arch/Inter Dsgn Interdepart	Project or Presentation Title: Market Square: A Development in Time	Liz Teston
132	Thomas Agee, Matthew Barnett, Meredith Graves	Architecture	Beilke Residence	Marleen Davis
133	Paul Attea	Architecture	The Green Tech Think Tank	Marleen Davis
134	Matthew Barnett	Architecture	Urban Complexities _ Tennessee River Museum + Knoxville Waterfront	Theodore Shelton Jr
135	Kirsten Bridges	Architecture	Maker Space: An Innovative Workshop	Marleen Davis
136	Breanna Browning	Architecture	[Re]examining the Shed: A Study of Identity and Tradition in Central Appalachia	Katherine Ambroziak
137	Irene Chang, Joseph Shedd, Meredith Graves, Thomas Agee, Alex Pasley	Architecture	Campus Accessibility Analysis	Marleen Davis
138	Julie Davenport	Architecture	Sounds of the City: The Complete Musical Story	Marleen Davis
139	Holly Harris	Architecture	Intergenerational Living	John McRae
140	Sierra Jensen, David Berry	Architecture	LEAP Collaborative: A Demonstration of Sustainable Practices	William Martella
141	Zachary Mulitauaopele, Sean Miller, Zane Espinosa	Architecture	Steelhead	Keith Kaseman
142	Armand Nasab, Jonathan Ruiz	Architecture	The Creative Circuit Catalyst Proposals	Marleen Davis

Exhibit #	Student Name	Department	Project	Faculty Mentor
143	Garrett Nelli, Andrew Ariola	Architecture	Red Bird Water Kiosk _ Clean Water Clean Life	John McRae
144	Christina Owens	Architecture	Stationary System with Portfolio	Diane Fox
145	Journey Roth	Architecture	Urban Play	Marleen Davis
146	Jonathan Ruiz, Savannah Dixon, Christopher Allen, Caleb Brothers, Haven Bush, Jennifer Elder, Logan Higgins, Mary Leitch, Macy Mccarty, Nathaniel Midgett, Tucker Towe, Journey Roth, Kalee Holdren, Joshua Murray, Spencer Mccarty	Architecture	East Tennessee Modern Prefabricated Housing	Hansjoerg Goeritz
147	Macvan Scott	Architecture	An Urban Oasis	Marleen Davis
148	Jerry Sullivan, Kenna Cajka, Angela Claeys, Cayce Davis, Patrick Green, Jacob Heaton, Gina Raffanti, Hunter Todd, Eric Archer, Hunter Byrnes, Geneva Hill, Jared Wilkins	Architecture	Beardsley Community Farm Design-Build-Evaluate Project	Jennifer Akerman
149	Tanya Granados	Interior Design	Accidental Recycling	Liz Teston
150	Abbey Green	Interior Design	Recycle_Reflect	Liz Teston
151	Alexis Jolley	Interior Design	Upcycle Recycle	Liz Teston
152	Coleen O'Leary	Interior Design	Provisions for Togetherness: A Community Cafe in Downtown Knoxville	David Matthews
153	Tatum Rumsey	Interior Design	Programmatic Law Firm Design Seyfarth Shaw L.L.P.	Ryann Aoukar
154	Erin Collins	Interior Design	SILK: A Residence	Ryann Aoukar

College of Arts and Sciences

Exhibit #	Student Name	Department	Project	Faculty Mentor
1	Michael Miceli	Interdisciplinary Programs	Understanding Social Presence and Subject Position in Online Environments	Sebastien Dubreil
2	Weston Vawter	Anthropology	Hadrian vs. Apollodorus of Damascus: Who built the Pantheon?	Stephen Collins-Elliott
3	Fadi Saleh	College Scholars - Entrepreneurship	Baracksdubs: Putting Words in People's Mouths	Michael Handelsman
59	David Morse	College Scholars Honors	The Interaction of Cytotoxins and Intermetallic Nanoparticles With Lipid Membranes	Dibyendu Mukherjee
60	Nathaniel Donnell, Brooke Dulka	Psychology	Mature BDNF in the basolateral amygdala is critical for the consolidation of a defeat-related memory	Matthew Cooper
61	Krishen Gosine	Biochem/Cellular/ Molecular Bio	Genetic Investigation of Separase's Role in the Viability in Caenorhabditis elegans	Josh Bembenek
62	Grayson Hunley	Biochem/Cellular/ Molecular Bio	Circadian Rhythmic Localization of tPA and PAI-1 in the SCN 2.2 Cell Culture May Provide Evidence for Determining the Mechanism of Gating Photic Phase Shifts	Rebecca Prosser
63	Marian LaForest	Biochem/Cellular/ Molecular Bio	Non-degradable securin in Caenorhabditis elegans	Josh Bembenek
64	Gabriela Little, Richard	Biochem/Cellular/ Molecular Bio	Production, Purification, and X-Ray Crystallography of the POTRA Domains of	Barry Bruce
65	Christopher Millis	Biochem/Cellular/ Molecular Bio	Staphylococcus pseudintermedius Efflux Pump Detection and Characterization	Stephen Kania
66	Benjamin Nebenfuehr	Biochem/Cellular/ Molecular Bio	Spatiotemporal distribution of midbodies after cytokinesis in Caenorhabditis elegans	Josh Bembenek
67	Campbell Reynolds	Biochem/Cellular/ Molecular Bio	Characterization of Chemotactic Receptor Tlp2 in Azospirillum brasilense	Gladys Alexandre
68	Jordan Roach	Biochem/Cellular/ Molecular Bio	Expression and Purification of Aminoglycoside Acetyltransferase (3)-Ib	Engin Serpersu
69	Kelly Arnholt	Biology	Toxicity Testing of Cellulose Nanocrystals using Bioluminescent Bioreporters	Steven Ripp
70	Haylie Lam	Biology	Real-Time Biomonitoring of Cytotoxicity in 3D Autobioluminescent Human Tissue Culture Models	Steven Ripp
71	Matthew Cameron	Chemistry	Development and Implementation of Cycloolefinic CO ₂ Thin-Film Gas Separation Membranes	Brian Long
72	Ashlyn Jones	Chemistry	Synthesis and Characterization of Ln[Hdpm] _x Compounds	Howard Hall

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73	Benjamin White	Chemistry	Synthesis and Characterization of Thermoplastic Elastomers with Tunable Upper Service Temperatures Based on Polybenzofulvene	Jimmy Mays
74	Kaitlyn Wray	Chemistry	The Polymerization of Lactide: A Variation of Activity in Group 4 Redox Active Catalysts	Brian Long
91	Chloe Lovelace	Classics	Swallow Imagery in the Spring Fresco	Aleydis Van de Moortel
92	Emma Pugmire	Classics	Lost in the Sands of Time: The Monumental Imperial Latin Inscription at 'Ayn Gharandal	Erin Darby
93	Alina Clay	College Scholars Honors	Gendered Patterns of Economic Marginalization and Women's Political Participation in Latin America	Jana Morgan
94	Dhara Naik, Brooke	Geography	When Pigs Flu	Ronald Foresta
95	Tyrel Prentiss	College Scholars Honors	The Synergy of Disney Animated Films and Attractions: An Applied Film Analysis	Charles Maland
96	Robert Cremins	Religious Studies	The Threat of Gender Nonconformity to Christian Authorities in Antiquity	Christine Shepardson
97	Brittney Detienne	Earth/Planetary Sciences	Microbial Community Structure and Abundance in Uranium and Nitrate Contaminated Groundwater	Terry Hazen
98	Taylor Thomas	Religious Studies	Asherah in Israelite Religion	Erin Darby
99	Michael Smith	Earth/Planetary Sciences	Petrographic and microstructural analysis of lower crustal rocks in Southern Tibet.	Micah Jessup
100	Patrick Smith	Earth/Planetary Sciences	Studying the Source and Deposition Mechanisms of Hydrated Sulfate Minerals at Valles Marineris, Mars Using a Terrestrial Analog	Anna Szyrkiewicz
101	Sarah Daws	Ecology/Evolutionary Biology	Plasticity in a changing world: phenotypic variability in <i>Boechera stricta</i> across spatial and temporal gradients	Jennifer Schweitzer
102	William Johnson	Ecology/Evolutionary Biology	Foraging behavior of Carolina Chickadees (<i>Parus carolinensis</i>) and Tufted Titmice (<i>Parus bicolor</i>) in response to the body orientation of snake predator models	Todd Freeberg
103	Peter Meidl	Ecology/Evolutionary Biology	Do Unaccounted for Mutualist Interactions Explain Plant-Soil Linkages?	Jennifer Schweitzer

Exhibit #	Student Name	Department	Project	Faculty Mentor
104	Erica Allen	Geological Sciences	The Morphology of the Unusual Fused Columnal Complex in the Stem of Brockocystis	Colin Sumrall
105	Piper Black, Jacob Delalla	Microbiology	Optimizing the EC50 Concentration of An Estrogen Bioreporter <i>Saccharomyces cerevisiae</i> BLYES-2G	Steven Ripp
106	Sheridan Brewer	Microbiology	Isolation and Characterization of Anaerobic Microbial Communities from Hydraulic Fracturing Fluids	Terry Hazen
107	Justin Dinsmore	Microbiology	Metabolite Usage in <i>Candida albicans</i> Mutant Strains	Todd Reynolds
108	Kathleen Fitzgerald	Microbiology	Diversity and Distribution of Archaeal amoA Genes in Geochemically Distinct Marine Basins	Terry Hazen
109	Amanda Garcia de Matos Amaral	Microbiology	Testing the Response of Mutated Human Estrogen Alpha Receptor to EDCs Using <i>Saccharomyces cerevisiae</i> -Based Bioreporters	Steven Ripp
110	Peter Hjorth	Microbiology	Testing the Response of Mutated Human Estrogen Alpha Receptor to EDCs Using <i>Saccharomyces cerevisiae</i> -Based Bioreporters	Steven Ripp
111	Enolia Marr, Greyson Ramos	Microbiology	Genetic engineering of a bioluminescent yeast bioreporter for the detection of dioxins	Steven Ripp
112	Kathryn McBride	Microbiology	Assessing Ecological Impact of Clay Flocculation Techniques by Measuring Microbial Community Structure	Terry Hazen
113	Kendall Whitt	Microbiology	Abundance and Diversity of Thaumarchaeota in Four Ocean Basins	Terry Hazen
114	Erika Youngquist	Microbiology	Genomic Diversity of <i>Pseudoalteromonas</i> species from Geographically Distant Marine Basins	Terry Hazen
115	Andrew Belt	Physics and Astronomy	FERN: A Reaction Network Solver for GPUs	Michael Guidry
116	Alexander Corlew, Zachery Markland	Physics and Astronomy	Prototype Magnetic Shield Compensating Earth's Magnetic Field down to 1nT	Yuri Kamyshkov

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117	Amos Manneschildt	Physics and Astronomy	Using SPLASH to Visualize Nucleosynthesis of Many Species in CHIMERA Simulation of Type IIA Supernovae Core Collapse	William Hix
118	Meghan Stuart	Physics and Astronomy	Probing the Quark Gluon Plasma: Correlated Background Subtraction Method	Christine Nattrass
119	James Vacanti	Physics and Astronomy	Equations of State for Neutron Stars	Jirina Stone
120	Louis Varriano	Physics and Astronomy	Can mirror matter be detected on Earth?	Yuri Kamyshev
121	Benjamin Adams	Earth/Planetary Sciences	Impact of Temporal Variations of Hydrology on Groundwater Geochemistry	Terry Hazen
122	Chad Melton	Earth/Planetary Sciences	Photometry of scattered disk objects in the outer Solar System	Joshua Emery
123	Darcy Ayers	Anthropology	Using GIS to Evaluate Impacts on Local Population From Particulate Matter Due to Increasing Military Vehicle Traffic at U.S. Military Bases	Hyun Kim
124	Laura Beard, Rachel Welsh	Psychology	Teacher-student Relationship Quality as a Predictor of Loneliness in Children	Lawrence Elledge
125	Chloe Bliton	Psychology	Emotion Dysregulation, Gender, and Intimate Partner Violence Perpetration: An Exploratory Study	Gregory Stuart
126	Mikayla Stover, Timothy Herman	Anthropology	The Inquisition of the Inca Incision: An Investigation into the Uses of Various Organic Species During the Process of Trephination in pre-Columbian Cuzco, Peru	Stephen Carmody
127	Shivani Goyal	Psychology	Two Sides of the Same Street: Where You Are Born, Where You Go, and How Much Say You Really Have In the Matter	Bob Kronick
128	Rachel Mottern, Ashleigh McGinnis	Psychology	Understanding difficulties in student learning through examination of study strategies and motivational problems in college students with self-reported attention and learning problems.	Jenn Bolden
129	Joshua O'Banion	Psychology	Motivation and Anxiety Levels	Debora Baldwin

School of Art, College of Arts and Sciences

Exhibit #	Student Name	Department	Project	Faculty Mentor
17	Rebekah Bennett, Vincent Walker	Art	Art Movement	Sarah Lowe
18	Katie Counts	Art	A Quality of Life; Piper's Cannabis Story	Paul Harrill
19	Allan Namiotkiewicz	Art	An Atomic Legacy	Paul Harrill
20	Micah Russell	Interdisciplinary Programs	Be Brave, Be Strong: A Documentary	Paul Harrill
75	Brayan Zavala	Art	Latino Literacy: A Bilingual Communication Guide	Sarah Lowe
76	Andrea Allison	Art	1 Day	Sarah Lowe
77	Samuel Bendriem, Brayan Zavala	Art	AccentKnoxville- Promoting the International Cultures in Knoxville, TN.	Sarah Lowe
78	Stephanie Bullock, Heather Mcnamara, Thomas Foltz	Art	Back Those Little Habits	Carolyn Staples
79	Stephanie Bullock	Art	UTK Lite Abstract Submission	Carolyn Staples
80	Sarah Doktycz, Peyton Nipp, Kaitlyn Nagel, Miranda Pedigo, La'Bria Wimberly, Chloe Lovelace, Kalyn Newport, Anthony Parrott, Joseph Sandor, Quentin Eastridge, Cory Bailey, Micah Mitchell, Kerri Ross	English	Breaking Bad: Reconstructing Ancient Roman Artists and Pottery Workshops using Reflectance Transformation Imaging (RTI)	Robert Darby
81	Alexander Dunlap, Hayden Zelem, Ricardo Bolivar, Anne Fromke	Art	Phone Down, Look Around	Carolyn Staples
82	Thomas Foltz	Art	Pocket Vet: Quick Calc	Carolyn Staples
83	Anne Fromke, Alexander Dunlap, Ricardo Bolivar, Heather Mcnamara	Art	McClung Museum: The Sensory Experience	Sarah Lowe
84	Alyssa Gauci, Andrea Allison, Benjamin Maxey, Eleanor Veazie	Art	Enlightened Effortless Way-Finding	Carolyn Staples
85	Courtney Gibson	Art	Beryl Magazine	Sarah Lowe
86	Michael McAdams	Art	ILLiterature	Sarah Lowe

Exhibit #	Student Name	Department	Project	Faculty Mentor
87	Victoria Salvador, Aimee Chico, Madeline Lane, Jordan Dronebarger, Allen Minecci, Rebekah Bennett	Art	Branding Cleveland, TN: A Smart Community Initiative	Deborah Shmerler
88	Kaitlyn Shaw	Art	Kitchen Sink Co-Op	Sarah Lowe
89	Alanna Wilkinson	Art	I Don't Want to Live Without You	Paul Harrill
90	Elea Wright, Alexandra Raykowitz, Stephanie Bullock, Jennifer Krukowski	Art	The Decorative Duel	Carolyn Staples

School of Music, College of Arts and Sciences

Exhibit #	Student Name	Department	Project	Faculty Mentor
15	Wesley Carroll, Piano	Music	Scherzo No. 2, Opus 31 in Bb minor by Frederic Chopin	Fay Adams
15	Sid Warren, Alto Saxophone	Music	Sonata Opus 19, 3rd Movement by Paul Creston	Allison Adams
15	Tyler Padgett, Baritone	Music	Fear no more the heat o' the sun by Gerald Finzi	Andrew Skoog

Haslam College of Business

Exhibit #	Student Name	Department	Project	Faculty Mentor
178	Robert Graham	Accounting	Event Study: Pres. Obama's Re-election and the Stock Market	Phillip Daves
179	Amanda Prevost	Accounting	Please Mind the GAAP: Advanced Compliance with FRC Reporting Changes	Joseph Carcello
180	Georgia Ralston	Accounting	Troubled Asset Relief Program: Impact as seen in the Agricultural Sector	James Chyz
181	Liza Reineri	Accounting	Stock Market Reaction to Environmental Events	Laura Cole
182	Robert Porter	Accounting/Information Mgmt	The Effects of International Experiences on Hiring Decisions	Kathy Wood
183	Jordan Tipton	Accounting/Information Mgmt	How and When Matters: An In-depth Look at Tennessee CPAs Perceptions of International Accounting	Jan Williams
184	Jillian Valk	Accounting/Information Mgmt	The Evolution and Consequential Actions of Data Breaches	Anita Hollander
185	Joseph Young	Accounting/Information Mgmt	The Founder Effect	Phillip Daves

Exhibit #	Student Name	Department	Project	Faculty Mentor
186	Luke Dyson	Business Administration	Corporate Community Engagement and Employee Commitment	Kathy Wood
187	John Ridley	Business Analytics/Statistics	Finding Phelps	Kenneth Gilbert
188	Jacob Clabo	Economics	Political Polarization	Benjamin Compton
189	Carly Frensley	Economics	To Give or To Teach	Phillip Daves
190	Sophie Henssler	Economics	A Hedonic Study on the cumulative impact of wind turbines on real estate prices	James Holladay
191	Samuel Rule	Economics	Economic Impact of Mega-Sporting Events: Explaining population effects on host cities	James Holladay
192	Alexander Henke	Finance	Dividends and their Determinants: An empirical study of manufacturing companies	Larry Fauver
193	Dania Li	Finance	Travel Application Business Plan	Lynn Youngs
194	Andrew Trapnell	Finance	"Benedict Arnold" Corporations	Tracie Woidtke
195	Caitlin Burchette	Management	Women and Wage Gap	Debbie Mackey
196	Rickey Dandridge	Management	Books or Knives? - The Proof is in the Pudding	Anne Smith
197	Ashton Banta	Marketing/Supply Chain Mgt	Going Viral: A Look Into the Effectiveness of Viral Advertising	Debbie Mackey
198	Sarah Bishop	Marketing/Supply Chain Mgt	Groupon or Groupoff?	Stephanie Noble
199	Charles Currey	Marketing/Supply Chain Mgt	Corporate Social Responsibility: What is it, and Why Does it Matter?	Diane Mollenkopf
200	Sydney Eiler	Marketing/Supply Chain Mgt	Customer Perception of Product Recalls	Chad Autry
201	Heidi Faust	Marketing/Supply Chain Mgt	Oh the Places You'll Go: A Study on Job Acceptance Attributes	Diane Mollenkopf
202	Christian Henson	Marketing/Supply Chain Mgt	Do Marketing and Advertising Expenditures Lead to Financial Success?	Mark Moon
203	Alexander Speed	Marketing/Supply Chain Mgt	Mindset Manifestation: How an Environmentally Conscious Mindset Permeates an Organization	Diane Mollenkopf

College of Communication and Information

Exhibit #	Student Name	Department	Project	Faculty Mentor
4	Alison Burg, Savannah Fielder, Stephanie Hoke, Carlton Troutman, Christopher Duvall, Virginia Nagy	Advertising/Public Relations	Freshman Undergraduate Admissions Campaign	Lisa Fall
5	Jocelyn Hofstra	Journalism/Electronic Media	Breaking the Fast	Robert Heller
6	Tiara Holt	Journalism/Electronic Media	The Cost of Eating	Robert Heller
7	Emilee Lamb	Journalism/Electronic Media	Food as Fuel	Robert Heller
8	Brittany Mannis	Journalism/Electronic Media	Family Dinner	Robert Heller
9	Keaton Murphy	Journalism	Crowd Pleasers	Robert Heller
10	Benjamin Murphy	Journalism/Electronic Media	The Merry Death Collector	Paul Harrill
11	Rebecca Rummage	Journalism/Electronic Media	"Cooking Up a Storm"	Robert Heller
26	Kristin Knight, Kevin Brown	Advertising/Public Relations	Recruiting Millennials: How UT Can Leverage Recruitment Efforts Among Out-of-State Students During a Period of Education Reform	Lisa Fall

College of Education, Health, and Human Sciences

Exhibit #	Student Name	Department	Project	Faculty Mentor
204	Hayley Moran	Child and Family Studies	Parental Ethnotheories about Child Rearing among the Gamo People in Ethiopia	Hillary Fouts
205	Cicily Hummer, Antonio Schefano	Kinesiology/Recreat /Sport St	Effects of altered surface inclinations on knee kinematics during drop landing	Songning Zhang
206	Russell Fling	Microbiology	3,4,4' -Trichlorocarbanilide Exposure Induces Gut Microbial Dysbiosis in Weaned Rats	Jiangang Chen
207	Chelsea Lessard	Nutrition	The Bean Interview	Sarah Colby

Exhibit #	Student Name	Department	Project	Faculty Mentor
208	Maria Mejia	Nutrition	A study of infant feeding beliefs and behaviors among a sample of Southwestern Chinese mother-infant dyads	Katie Kavanagh
209	Cynthia Nkem	Nutrition	Dynamics and Organization of Ter macrodomain in Escherichia coli	Jaan Mannik
210	Sarah Maylott	Psychology	Examining teacher's role in building community among culturally diverse children in a preschool classroom	Carin Neitzel

College of Engineering

Exhibit #	Student Name	Department	Project	Faculty Mentor
21	Douglas Bouler, Jared Baxter	Electrical Engr & Computer Sci	Low Power Boost Converter Optimization for Energy Harvesting	Daniel Costinett
22	Christopher Hobbs	Material Science/Engineering	Guiding Modifications to Vertical Bridgman Growth Furnaces through Numerical Modeling	Mariya Zhuravleva
23	Michael Hutton, Mitchell Woodward, Thanh Nguyen, Ilya Gofman, Brandon Rogers, Keith Ferrell, Thomas Maynard, Jeremy Quayle	Engineering Science/Mechanics	Internal Combustion Engine Model Aircraft	Robert Bond
24	Ellen Moore, William Barbour, Jay McMillan	Biosystems Engr/Soil Science	Design of a Mobile Shade Structure for Organic Dairy Cattle	John Wilkerson
25	Alexandra Shpik, Anna Ness, Ryan Vernich	Biosystems Engr/Soil Science	A Mobile Canoe-Mounted, Geo-referenced, 3-D Water Quality Analyzer	Paul Ayers
27	Veronica Go	Biochem/Cellular/ Molecular Bio	Unveiling cardiac dynamics using a data-driven technique for eigenvalue estimation	Xiaopeng Zhao
28	Katie Rogers	Biomedical Engineering	In vitro study of astrocyte response towards hydrogel particle modified silicon surface	Wei He

Exhibit #	Student Name	Department	Project	Faculty Mentor
29	Steven Barclay, Eric Martin	Chemical and Biomolecular Engr	Neutron Imaging of Lithium Coolants Inside High Temperature Niobium Heat Pipes	Kenneth Kihm
30	Marti Bell	Chemical and Biomolecular Engr	Autocatalytic Activation of the Hemagglutinin in Influenza	Eric Boder
31	Beini Chen	Chemical and Biomolecular Engr	Adaptation and robustness in a chemotaxis network	Steven Abel
32	David Conner	Chemical and Biomolecular Engr	Algorithm Optimization for the Rational Design of Modular Cells	Cong Trinh
33	Norma Miselem, Ryan Fulmer, Charles Bolen, Robert Cook, Alex Oakley, Matthew Long, John Bridges, Patrick Busch	Mech/Aerospace/ Biomed Engr	SAE Aero Design Regular Class Challenge	Robert Bond
34	Julie Hipp	Chemical and Biomolecular Engr	Engineering the Oleaginous Yeast, Yarrowia lipolytica, for Optimal Utilization of Hemicellulosic Materials	Cong Trinh
35	Taylor Weiskittel	Chemical and Biomolecular Engr	Optimization of Fission Yeast Lipogenesis for Increased Biofuel Production	Paul Dalhaimer
36	Danielle Large	Chemical Engineering	Sortase-Mediated Ligation of PsaL- Modified Photosystem I from Synechocystis sp. PCC 6803 to a Gold Surface for Photo-catalyzed Current Production	Paul Frymier
37	Logan Terheggen	Chemical Engineering	Charge Transport in Imidazole-based Deep Eutectic Mixtures	Joshua Sangoro
38	Marcelle Vilela Martins Lipman	Chemical Engineering	Dominance of Methanosepta populations at high acetate concentrations during unstable anaerobic digestion	Qiang He
39	Jordan Hicks	Civil and Environmental Engr	Timescale of Clay-Polymer Composite Response Using Expansion Index Test	Angel Palomino
40	Shane Hagen	Civil Engineering	Quantifying Extracellular Enzyme Activity In Deep-Sea Sediment From the Mediterranean Sea Through The Use Of Fluorometric Assays	Terry Hazen

Exhibit #	Student Name	Department	Project	Faculty Mentor
41	Benjamin Brock	Computer Science	Explicit Integration with GPU Acceleration for Large Kinetic Networks	Michael Guidry
42	John Reynolds	Computer Science	Forward Error Correction for Fast Streaming with Open-Source Components	James Plank
43	Natalie Beitel	Electrical Engr & Computer Sci	A Low Power Wireless Sleep Apnea Detection System Based on Pyroelectric Sensor	Syed Islam
44	Phillip Goldfarb	Electrical Engr & Computer Sci	No Free Lunch Theorem: Comparing Black-box Algorithms	Michael Vose
45	Maeve Lawniczak	Electrical Engr & Computer Sci	Implantable Silicon/Cell Hybrid Biochips for Continuous and Autonomous Surveillance of Health Status	Steven Ripp
46	Victoria Collier	Industrial/Systems Engineering	Symmetric Extended Formulations of the Bin Packing Problem	Jim Ostrowski
47	James Brackett	Material Science/Engineering	Initial Investigation of Hot Pressed MgO and Mg ₂ SiO ₄	Chris Wetteland
48	Connor Carr	Material Science/Engineering	In-Situ Investigation of Chemical Bath Deposition of CdS via Localized Surface Plasmon Resonance Spectroscopy	Ramakrishnan Kalyanaraman
49	William Hoskins	Material Science/Engineering	Effects of Heat Treatment, Chemical Composition, and Cladding on the High Temperature Hydrogen Attack Resistance of C-½ Mo Steels	Carl Lundin
50	Jedidiah Long	Material Science/Engineering	First Principles Investigation of Mechanisms of Peroxide Decomposition over Titanosilicate Catalysts	David Keffer
51	Matt Loyd	Material Science/Engineering	Homogeneity and annealing study on CsSrBr ₃ :Eu scintillator	Mariya Zhuravleva
52	Austin Plymill	Material Science/Engineering	Using Ab Initio Simulations to Examine the Flexoelectric Effect in Perovskites	Haixuan Xu
53	Sara Parker, Jenny Patel	Mech/Aerospace/ Biomed Engr	Elucidating Sex-Related Differences in Calcification of Rat Aortic Heart Valves	Zannatul Ferdous
54	Cary Smith	Mech/Aerospace/ Biomed Engr	Practical Applications of Laser Ignition	Zhili Zhang
55	James Ghawaly	Nuclear Engineering	Development of a Radioisotope Identification Algorithm for Gamma Spectra with a Low Energy Signal-to-noise Ratio	Howard Hall

Exhibit #	Student Name	Department	Project	Faculty Mentor
56	Colton Oldham	Nuclear Engineering	Development of Surrogate Nuclear Melt Glass Samples for Nuclear Forensics Applications	Howard Hall
57	Mikah Rust	Nuclear Engineering	Charge Carrier Generation and Transport Properties of Lithium Indium Diselenide (LiInSe ₂)	Eric Lukosi
58	Christopher Williams	Nuclear Engineering	Validation of a Radio-Isotopic Source Identification Algorithm for Broad Area Search Applications	Howard Hall

College of Nursing

Exhibit #	Student Name	Department	Project	Faculty Mentor
211	Victoria Anderson	Nursing	Healthcare Providers and Nursing Exchange Students' Perspectives on the Healthcare Systems in the United States (US) and United Kingdom (UK)	Karen Lasater
212	Carlos Anderson, Emily Lazek, Katherine Vogel, Kathryn Oliff	Nursing	Comparison of Care Provided by Nurse Practitioners and Physicians	Kathleen Thompson
213	Allie Arnette	Nursing	Shopping for a Soup Kitchen: Factors Contributing to Attendance	Carole Myers
214	Rebecca Bell	Nursing	The Effects of Tactile Stimulation on Neonates Experiencing Neonatal Abstinence Syndrome	Deb Chyka
215	Jacqueline Bennett, Elizabeth Barr, Lauren Knight, Steven Ensminger	Nursing	Non-pharmacological Pain Management in Ophthalmologic Exams of the Neonate	Kathleen Thompson
216	Jordan Casady	Nursing	Body Image, Physical Activity and Self-Concept in African American Adolescent Females	Polly McArthur
217	Cara Chattin, Staci Dallachie, Myles Thomas	Nursing	Correlation between longer shifts and stress in nurses	Kathleen Thompson
218	Erin Conley	Nursing	Kinship and Disaster Resilience in Rural Appalachia	Moriah McArthur

Exhibit #	Student Name	Department	Project	Faculty Mentor
219	Caroline Darlington	Nursing	HIV-related Stigma Among Women in Appalachian Tennessee and Alabama	Sadie Hutson
220	Jessica Frazier, Ashley Tucker, Lindsay Samarin, Brittini Cripps	Nursing	Effectiveness of School Nurse Interventions on Childhood Obesity	Kathleen Thompson
221	Jennifer Gibson, Joseph Luncford, Tonya Reynolds, Miah Pavlik	Nursing	Effects of Nurse-patient Ratio in Emergency Room Setting	Kathleen Thompson
222	Laura Hauk, Adele Crouch Lester, Devon Moser, Thomas Burns	Nursing	Efficacy of Cranberry Ingestion in the Prevention of Urinary Tract Infections	Kathleen Thompson
223	Meredith Haynes	Nursing	Physical Health Experiences of a Male Caregiver of a significant other with Breast Cancer	Sadie Hutson
224	Jessie Herz, Hannah Campbell, Savannah Pressley	Nursing	Breastfeeding Education: Perceptions of NICU Nurses And Mothers of Infants With NAS	Sadie Hutson
225	Kimberly Holtsclaw, Elizabeth Cantrell, Jessika Fletcher, Lashonna Willis, Catherine Pomeroy	Nursing	Perceptions of Maternal Identity Development: A Nurse's Role	Sadie Hutson
226	Ella Hulseay	Nursing	Immune Overload? Parental Attitudes towards Combination and Single Antigen Vaccines	Tami Bland
227	Kathleen Kerr, Therese Miller, Chandler Williams	Nursing	Effects of Breastfeeding on Finnegan Scoring in the Neonatal Abstinence Syndrome Population	Ezra Holston
228	Bernadette Kolp, Madeline Himber, Lauren Smith, Madison Gray, Lauren Mench	Nursing	Stimulant Misuse in Nursing Students	Sally Helton
229	Samantha Lusebrink, Brandon Rowan, Shih-Huei Ou, Thomas Parrish	Nursing	Effectiveness of Music Therapy on Pain in Palliative Care	Kathleen Thompson
230	Ashley Manus	Nursing	Developmental Screening in Children and the Emotional Response Elicited by the Parents to the Outcome: A Pilot Study	Deb Chyka

Exhibit #	Student Name	Department	Project	Faculty Mentor
231	Elizabeth McLaughlin, Tayler Moon, Taylor Neal, Taylor Williams, Adam Tudor	Nursing	Factors that Drive a Low-Risk Multiparous Woman's Decision on Where to Give Birth	Sadie Hutson
232	Michael Moore	Nursing	Impact of Hospital-Associated Sitters in Care of Unattended Pediatric Patients	Tami Bland
233	Elisha Mott, Cortney Bigoness, Matthew Burleson, Emily Butcher, Savanna Taylor	Nursing	New Graduate Nurses Impact of Mentoring Relationship on New Graduate Nurses' Patient Care and Retention Rates	Sadie Hutson
234	Lucy Parham, Sarah Jenner, Clara Sawyer, Laura Schmid	Nursing	Positive and Negative Perceptions of Marinol Among South Appalachian Oncology Patients	Sadie Hutson
235	Merrell Pressley	Nursing	Patient Perception of Assimilation in Bilingual Discharge Facilitation	Karen Lasater
236	Autumn Quillen, Jackson Butler	Nursing	The Impact of Criminalization of Addiction in Pregnancy	Sharon Davis
237	Kylie Slayden	Nursing	Communication between Spanish-speaking Families and Nurses in Pediatric Acute Care	Sandy Mixer
238	Lauren Speck	Nursing	Parental HPV Vaccine Acceptability Factors in Southern Appalachia	Sadie Hutson
239	Ashley Steinmetz	Nursing	Married and Unmarried Cohabitation Impact on Maternal Reproductive Behaviors and Neonatal Health Factors	Ezra Holston
240	Kira Storms, Alexandra Gardner, Elizabeth Thompson, Traci Adkins	Nursing	Discharge Teaching in Non-Native Speaking Patients	Kathleen Thompson
241	Benjamin Woodward	Nursing	Reporting of Central Line-Associated Bloodstream Infections	Reba Umberger
242	Bethany Worsham	Nursing	An Evaluation of the Precious Prints Project: The Emotional Impact of Preparing a Keepsake on NICU, PICU, and ER Nurses	Reba Umberger
243	Rachael Wyatt, Isaac Moore, Valerie White, Michelle Miller, Callie Heitzman	Nursing	Exploring Nursing Students' Perceptions of Electronic Fetal Monitoring App	Susan Fancher

College of Social Work

Exhibit #	Student Name	Department	Project	Faculty Mentor
155	Catherine Arwood	Social Work	Discrimination and Employment Outcomes of Immigrants in the United States	Matthew Moore
156	Rachel Brown	Social Work	Independent Senior Adults' Ability to Complete Instrumental Activities of Daily Living	Matthew Moore
157	Carly Caldwell	Social Work	Effectiveness of Parenting Education on Self-Efficacy Among First-Time Mothers	Matthew Moore
158	Matthew Crescenzi	Social Work	Factors Associated with Successful Completion of a Comorbid Substance Abuse and Mental Health Intensive Outpatient Group	Matthew Moore
159	Anastasia Friedrich	Social Work	Factors that influence drug use among youth in foster care	Matthew Moore
160	Jordan Frye	Social Work	Impact of Community Reentry Services on Recidivism	Matthew Moore
161	Emily Hill	Social Work	The Effects of Poverty on Individuals with Co-occurring Mental Health and Substance Abuse Disorders	Matthew Moore
162	Amanda Murphy	Social Work	The Effect of an Adolescent's Physical Health on Mental Health and Substance Abuse	Matthew Moore
163	Megan O'Hare	Social Work	Healthy Eating Habits and Access to Nutritional Foods in Low-Income Women	Matthew Moore
164	Andrea Smith	Social Work	The Association of Medication Compliance and Health among People with HIV	Matthew Moore
165	Allison Vargo	Social Work	Examining Patient Satisfaction in a Community Pediatric Clinic in East Tennessee	Matthew Moore

School of Music Celebration of Excellence Competition

Each year, the School of Music hosts a Celebration of Excellence Competition prior to EURēCA. The winners are featured in Exhibit 15, however we recognize and congratulate all the entrants. The event was held Sunday, March 1 in the James R. Cox Auditorium.

Student Name	Instrument	Title of Piece	Composer	Faculty Mentor
Katherine Smith	Soprano	Psalm 142	Ned Rorem	Lorraine DiSimone
Haley Retterer	Soprano	Alleluia – Exsultate, jubilate	W. A. Mozart	Lorraine DiSimone
Ryan Colbert	Soprano	Zueignung	Richard Strauss	Cecily Nall
Tori Sellers	Piano	La Campanella	Franz Liszt	David Northington
Nick DiPillo	Piano	Piano Sonata Opus 1, 4th Movement	Johannes Brahms	David Northington
Wesley Carroll	Piano	Scherzo No. 2, Opus 31 in Bb minor	Frederic Chopin	Fay Adams
Paul Royse	Piano	Piano Sonata No. 2, 1st Movement	Paul Hindemith	Fay Adams
Nathan Bowman	Piano	Sonata in C minor, Opus 13, No. 8, 3rd Movement	Ludwig van Beethoven	David Brunell
Benjamin Parton	Violin	Sonata No. 2 for Solo Violin, Movement 1: Obsession	Eugène Ysaÿe	Miroslav Hristov
Hannah Smith	French Horn	Notturmo	Carl Reinecke	Katie Johnson
Sid Warren Bri Terry Sydney Gilliam Alex Gray	Soprano Saxophone Alto Saxophone Tenor Saxophone Baritone Saxophone	Stepping Out, Movement IV: An Easy Burden; Movement I: Minimum Overdrive	David Kechley	Allison Adams
Marissa Mitchell	Clarinet	Clarinet Sonata No. 1, Op. 120, Movements 3 and 4	Johannes Brahms	Victor Chavez
Meghan Mayes	Soprano	O mio babbino caro from Gianni Schicchi	Giacomo Puccini	Marjorie Bennett Stephens
Rachel Brown	Mezzo Soprano	<i>Liebst du um Schönheit</i>	<i>Gustav Mahler</i>	Lorraine DiSimone
Tyler Padgett	Baritone	Fear no more the heat o' the sun	Gerald Finzi	Andrew Skoog
Samuel Brown	Piano	<i>Tabatière à musique</i>	<i>Ignaz Friedman</i>	Fay Adams
Rebekah McDonald Maxim	Piano	Nocturne in E minor, Opus 72, No. 1	Frederic Chopin	Fay Adams
Sid Warren	Alto Saxophone	Sonata Opus 19, 3rd Movement	Paul Creston	Allison Adams
Joseph Meinweiser Krista Weathersby	French Horn Clarinet	On a Snowy Evening	Catherine McMichael	Katie Johnson

JUDGES:

Dr. Sean Greene, Andreas Eastman Performance Artist
 Dr. Angela Holder, Associate Professor of Voice, Carson Newman University
 Emi Kagawa, St. Joseph's University, Philadelphia, PA
 Carol S. Tucker, Knoxville Symphony Orchestra

Student Exhibit Index by Last Name

Student	Exhibit #	Judging Division
Adams, Benjamin	121	College of Arts & Sciences
Adkins, Traci	240	College of Nursing
Agee, Thomas	132	College of Architecture and Design
Agee, Thomas	137	College of Architecture and Design
Allen, Christopher	146	College of Architecture and Design
Allen, Daniel	12	College of Architecture and Design
Allen, Erica	104	College of Arts & Sciences
Allison, Andrea	76	School of Art, College of Arts & Sciences
Allison, Andrea	84	School of Art, College of Arts & Sciences
Anderson, Carlos	212	College of Nursing
Anderson, Victoria	211	College of Nursing
Archer, Eric	148	College of Architecture and Design
Ardeshtna, Devarshi	176	College of Agricultural Sciences and Natural Resources
Ariola, Andrew	143	College of Architecture and Design
Arnette, Allie	213	College of Nursing
Arnholz, Kelly	69	College of Arts & Sciences
Arwood, Catherine	155	College of Social Work
Attea, Paul	133	College of Architecture and Design
Ayers, Darcy	123	College of Arts & Sciences
Bailey, Cory	80	School of Art, College of Arts & Sciences
Balachandran, Manasi	169	College of Agricultural Sciences and Natural Resources
Banta, Ashton	197	Haslam College of Business
Barbour, William	24	College of Engineering
Barclay, Steven	29	College of Engineering
Barnett, Matthew	132	College of Architecture and Design
Barnett, Matthew	134	College of Architecture and Design
Barr, Elizabeth	215	College of Nursing
Baxter, Jared	21	College of Engineering
Beard, Laura	124	College of Arts & Sciences
Beitel, Natalie	43	College of Engineering
Bell, Marti	30	College of Engineering
Bell, Rebecca	214	College of Nursing
Belt, Andrew	115	College of Arts & Sciences
Bendriem, Samuel	77	School of Art, College of Arts & Sciences
Bennett, Jacqueline	215	College of Nursing
Bennett, Rebekah	87	School of Art, College of Arts & Sciences
Bennett, Rebekah	17	School of Art, College of Arts & Sciences
Berry, David	140	College of Architecture and Design
Biggs, Anna	13	College of Architecture and Design
Bigoness, Cortney	233	College of Nursing
Bishop, Sarah	198	Haslam College of Business
Black, Piper	105	College of Arts & Sciences
Bliton, Chloe	125	College of Arts & Sciences
Bolen, Charles	33	College of Engineering
Bolivar, Ricardo	81	School of Art, College of Arts & Sciences
Bolivar, Ricardo	83	School of Art, College of Arts & Sciences
Bouler, Douglas	21	College of Engineering
Brackett, James	47	College of Engineering
Brewer, Sheridan	106	College of Arts & Sciences
Bridges, John	33	College of Engineering
Bridges, Kirsten	135	College of Architecture and Design
Brock, Benjamin	41	College of Engineering
Brothers, Caleb	146	College of Architecture and Design

Brown, Kevin	26	College of Communication and Information
Brown, Rachel	156	College of Social Work
Browning, Breanna	136	College of Architecture and Design
Bullock, Stephanie	78	School of Art, College of Arts & Sciences
Bullock, Stephanie	79	School of Art, College of Arts & Sciences
Bullock, Stephanie	90	School of Art, College of Arts & Sciences
Burchette, Caitlin	195	Haslam College of Business
Burg, Alison	4	College of Communication and Information
Burleson, Matthew	233	College of Nursing
Burns, Thomas	222	College of Nursing
Busch, Patrick	33	College of Engineering
Bush, Haven	146	College of Architecture and Design
Butcher, Emily	233	College of Nursing
Butler, Jackson	236	College of Nursing
Byrnes, Hunter	148	College of Architecture and Design
Cajka, Kenna	148	College of Architecture and Design
Caldwell, Carly	157	College of Social Work
Cameron, Matthew	71	College of Arts & Sciences
Campbell, Hannah	224	College of Nursing
Cantrell, Elizabeth	225	College of Nursing
Carr, Connor	48	College of Engineering
Carroll, Wesley	15	School of Music, College of Arts & Sciences
Casady, Jordan	216	College of Nursing
Cavalier, Geoffrey	14	College of Architecture and Design
Chandler, Jennifer	167	College of Agricultural Sciences and Natural Resources
Chang, Irene	137	College of Architecture and Design
Chang, Irene	137	College of Architecture and Design
Chattin, Cara	217	College of Nursing
Chen, Beini	31	College of Engineering
Chico, Aimee	87	School of Art, College of Arts & Sciences
Clabo, Jacob	188	Haslam College of Business
Claeys, Angela	148	College of Architecture and Design
Clay, Alina	93	College of Arts & Sciences
Collier, Victoria	46	College of Engineering
Collins, Erin	154	College of Architecture and Design
Conley, Erin	218	College of Nursing
Conner, David	32	College of Engineering
Cook, Robert	33	College of Engineering
Corlew, Alexander	116	College of Arts & Sciences
Counts, Katie	18	School of Art, College of Arts & Sciences
Cremins, Robert	96	College of Arts & Sciences
Crescenzi, Matthew	158	College of Social Work
Cripps, Brittni	220	College of Nursing
Crouch Lester, Adele	222	College of Nursing
Currey, Charles	199	Haslam College of Business
Dallachie, Staci	217	College of Nursing
Dandridge, Rickey	196	Haslam College of Business
Darlington, Caroline	219	College of Nursing
Davenport, Julie	138	College of Architecture and Design
Davis, Cayce	148	College of Architecture and Design
Daws, Sarah	101	College of Arts & Sciences
Dean, Amanda	166	College of Agricultural Sciences and Natural Resources
Delalla, Jacob	105	College of Arts & Sciences
Detienne, Brittny	97	College of Arts & Sciences
Dinsmore, Justin	107	College of Arts & Sciences

Dixon, Savannah	146	College of Architecture and Design
Doktycz, Sarah	80	School of Art, College of Arts & Sciences
Donnell, Nathaniel	60	College of Arts & Sciences
Dronebarger, Jordan	87	School of Art, College of Arts & Sciences
Dulka, Brooke	60	College of Arts & Sciences
Dunlap, Alexander	81	School of Art, College of Arts & Sciences
Dunlap, Alexander	83	School of Art, College of Arts & Sciences
Dunn, William	16	College of Architecture and Design
Duvall, Christopher	4	College of Communication and Information
Dyson, Luke	186	Haslam College of Business
Eastridge, Quentin	80	School of Art, College of Arts & Sciences
Eiler, Sydney	200	Haslam College of Business
Elder, Jennifer	146	College of Architecture and Design
Ensminger, Steven	215	College of Nursing
Espinosa, Zane	141	College of Architecture and Design
Faust, Heidi	201	Haslam College of Business
Ferrell, Keith	23	College of Nursing
Fielder, Savannah	4	College of Communication and Information
Fitzgerald, Kathleen	108	College of Arts & Sciences
Fletcher, Jessika	225	College of Nursing
Fling, Russell	206	College of Education, Health, and Human Sciences
Foltz, Thomas	78	School of Art, College of Arts & Sciences
Foltz, Thomas	82	School of Art, College of Arts & Sciences
Frank, Geneva	130	College of Architecture and Design
Frank, Geneva	131	College of Architecture and Design
Frazier, Jessica	220	College of Nursing
Frensley, Carly	189	Haslam College of Business
Friedrich, Anastasia	159	College of Social Work
Fromke, Anne	81	School of Art, College of Arts & Sciences
Fromke, Anne	83	School of Art, College of Arts & Sciences
Frye, Jordan	160	College of Social Work
Fulmer, Ryan	33	College of Engineering
Garcia de Matos Amaral, Amanda	109	College of Arts & Sciences
Gardner, Alexandra	240	College of Nursing
Gauci, Alyssa	84	School of Art, College of Arts & Sciences
Ghawaly, James	55	College of Engineering
Gibson, Courtney	85	School of Art, College of Arts & Sciences
Gibson, Jennifer	221	College of Nursing
Glafenhein, John	167	College of Agricultural Sciences and Natural Resources
Go, Veronica	27	College of Engineering
Gofman, Ilya	23	College of Nursing
Goldfarb, Phillip	44	College of Engineering
Goodman, Mikayla	174	College of Agricultural Sciences and Natural Resources
Gosine, Krishen	61	College of Arts & Sciences
Goyal, Shivani	127	College of Arts & Sciences
Graham, Robert	178	Haslam College of Business
Granados, Tanya	149	College of Architecture and Design
Graves, Meredith	132	College of Architecture and Design
Graves, Meredith	137	College of Architecture and Design
Gray, Madison	228	College of Nursing
Green, Abbey	150	College of Architecture and Design
Green, Patrick	148	College of Architecture and Design
Hagen, Shane	40	College of Engineering
Hanson, Marsadee	75	College of Communication and Information
Harris, Holly	139	College of Architecture and Design

Hauk, Laura	222	College of Nursing
Haynes, Meredith	223	College of Nursing
Heaton, Jacob	148	College of Architecture and Design
Heitzman, Callie	243	College of Nursing
Henke, Alexander	192	Haslam College of Business
Henson, Christian	202	Haslam College of Business
Henssler, Sophie	190	Haslam College of Business
Herman, Timothy	126	College of Arts & Sciences
Herz, Jessie	224	College of Nursing
Hicks, Jordan	39	College of Engineering
Higgins, Logan	146	College of Architecture and Design
Hill, Emily	161	College of Social Work
Hill, Geneva	148	College of Architecture and Design
Himber, Madeline	228	College of Nursing
Hipp, Julie	34	College of Engineering
Hjorth, Peter	175	College of Agricultural Sciences and Natural Resources
Hjorth, Peter	110	College of Arts & Sciences
Hobbs, Christopher	22	College of Engineering
Hofstra, Jocelyn	5	College of Communication and Information
Hoke, Stephanie	4	College of Communication and Information
Holdren, Kalee	146	College of Architecture and Design
Holt, Tiara	6	College of Communication and Information
Holtsclaw, Kimberly	225	College of Nursing
Hoskins, William	49	College of Engineering
Hulsey, Ella	226	College of Nursing
Hummer, Cicily	205	College of Education, Health, and Human Sciences
Hunley, Grayson	62	College of Arts & Sciences
Hutton, Michael	23	College of Nursing
Iannuzzi, Mary	172	College of Agricultural Sciences and Natural Resources
Jackson, Reilly	175	College of Agricultural Sciences and Natural Resources
Jenner, Sarah	234	College of Nursing
Jensen, Sierra	140	College of Architecture and Design
Johnson, William	102	College of Arts & Sciences
Jolley, Alexis	151	College of Architecture and Design
Jones, Ashlyn	72	College of Arts & Sciences
Kerr, Kathleen	227	College of Nursing
Knight, Kristin	26	College of Communication and Information
Knight, Lauren	215	College of Nursing
Kolp, Bernadette	228	College of Nursing
Krukowski, Jennifer	90	School of Art, College of Arts & Sciences
Laflamme, Margaret	60	College of Arts & Sciences
Laflamme, Margaret	168	College of Agricultural Sciences and Natural Resources
LaForest, Marian	63	College of Arts & Sciences
Lam, Haylie	70	College of Arts & Sciences
Lamb, Emilee	7	College of Communication and Information
Lane, Madeline	87	School of Art, College of Arts & Sciences
Large, Danielle	36	College of Engineering
Lawniczak, Maeve	45	College of Engineering
Lazek, Emily	212	College of Nursing
Leitch, Mary	146	College of Architecture and Design
Lessard, Chelsea	207	College of Education, Health, and Human Sciences
Li, Dania	193	Haslam College of Business
Lillard, Carson	175	College of Agricultural Sciences and Natural Resources
Little, Gabriela	64	College of Arts & Sciences
Long, Jedidiah	50	College of Engineering

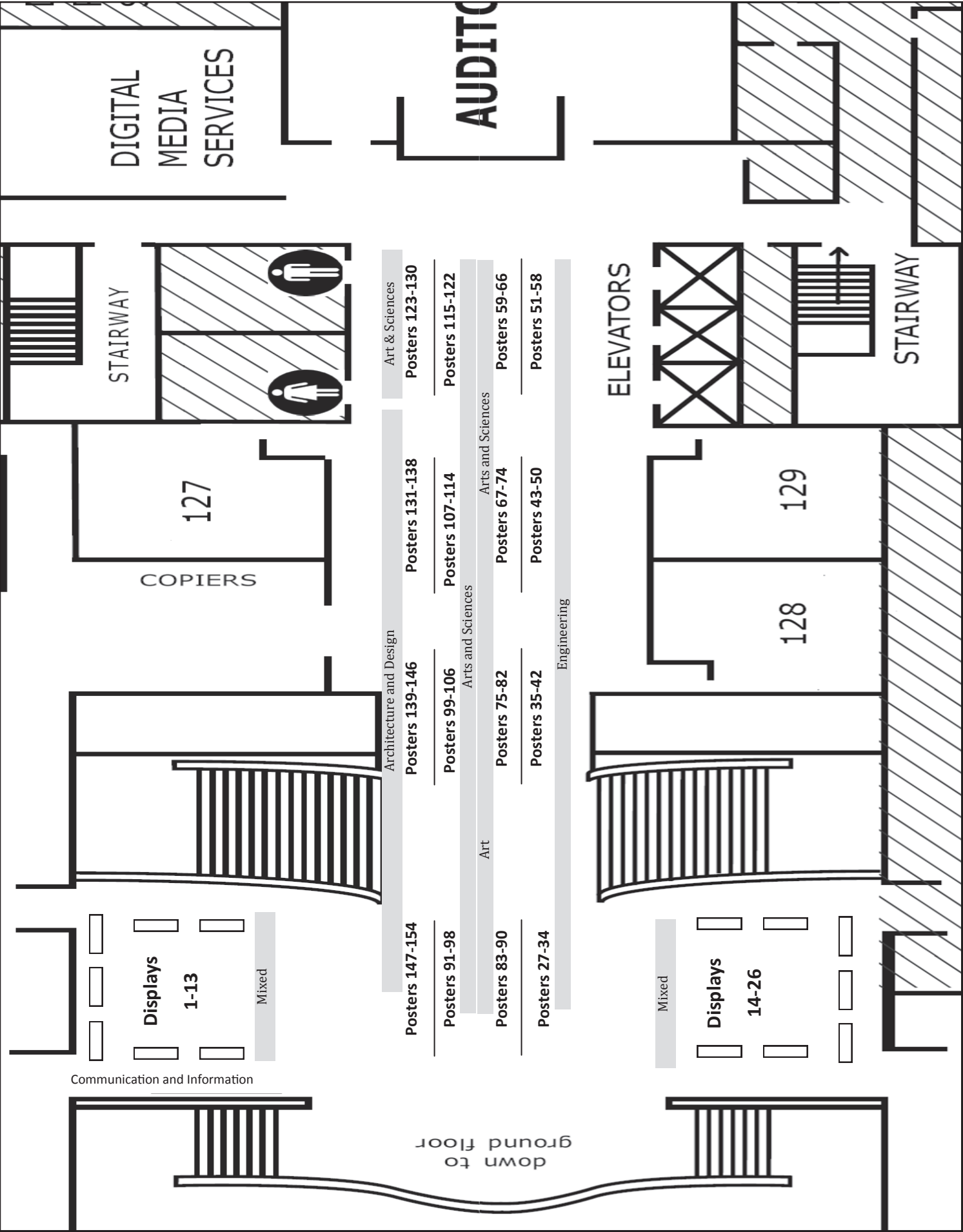
Long, Matthew	33	College of Engineering
Lovelace, Chloe	80	School of Art, College of Arts & Sciences
Lovelace, Chloe	91	College of Arts & Sciences
Loyd, Matt	51	College of Engineering
Luncford, Joseph	221	College of Nursing
Lusebrink, Samantha	229	College of Nursing
Lynch, Andrew	172	College of Agricultural Sciences and Natural Resources
Manneschmidt, Amos	117	College of Arts & Sciences
Mannis, Brittany	8	College of Communication and Information
Manus, Ashley	230	College of Nursing
Markland, Zachery	116	College of Arts & Sciences
Marr, Enolia	111	College of Arts & Sciences
Martin, Eric	29	College of Engineering
Maxey, Benjamin	84	School of Art, College of Arts & Sciences
Maylott, Sarah	210	College of Education, Health, and Human Sciences
Maynard, Thomas	23	College of Nursing
McAdams, Michael	86	School of Art, College of Arts & Sciences
Mcbride, Kathryn	112	College of Arts & Sciences
Mccarty, Macy	146	College of Architecture and Design
Mccarty, Spencer	146	College of Architecture and Design
Mcginnis, Ashleigh	128	College of Arts & Sciences
McLaughlin, Elizabeth	231	College of Nursing
McMillan, Jay	24	College of Engineering
Mcnamara, Heather	78	School of Art, College of Arts & Sciences
Mcnamara, Heather	83	School of Art, College of Arts & Sciences
Meidl, Peter	103	College of Arts & Sciences
Mejia, Maria	208	College of Education, Health, and Human Sciences
Melton, Chad	122	College of Arts & Sciences
Mench, Lauren	228	College of Nursing
Miceli, Michael	1	College of Arts & Sciences
Midgett, Nathaniel	146	College of Architecture and Design
Miller, Michelle	243	College of Nursing
Miller, Sean	141	College of Architecture and Design
Miller, Therese	227	College of Nursing
Millis, Christopher	65	College of Arts & Sciences
Minecci, Allen	87	School of Art, College of Arts & Sciences
Miselem, Norma	33	College of Engineering
Missimer, Sarah	75	College of Communication and Information
Mitchell, Micah	80	School of Art, College of Arts & Sciences
Moon, Tayler	231	College of Nursing
Moore, Ellen	24	College of Engineering
Moore, Isaac	243	College of Nursing
Moore, Michael	232	College of Nursing
Moran, Hayley	204	College of Education, Health, and Human Sciences
Morse, David	59	College of Arts & Sciences
Moser, Devon	222	College of Nursing
Mott, Elisha	233	College of Nursing
Mottern, Rachel	128	College of Arts & Sciences
Mulitauaopele, Zachary	141	College of Architecture and Design
Murphy, Amanda	162	College of Social Work
Murphy, Benjamin	10	College of Communication & Information
Murphy, Keaton	9	College of Communication and Information
Murray, Joshua	146	College of Architecture and Design
Nagel, Kaitlyn	80	School of Art, College of Arts & Sciences
Nagy, Virginia	4	College of Communication and Information

Naik, Dhara	94	College of Arts & Sciences
Namiotkiewicz, Allan	19	School of Art, College of Arts & Sciences
Nasab, Armand	142	College of Architecture and Design
Neal, Taylor	231	College of Nursing
Nebenfuehr, Benjamin	66	College of Arts & Sciences
Nelli, Garrett	143	College of Architecture and Design
Ness, Anna	25	College of Engineering
Newport, Kalyn	80	School of Art, College of Arts & Sciences
Nguyen, Thanh	23	College of Nursing
Nipp, Peyton	80	School of Art, College of Arts & Sciences
Nkem, Cynthia	209	College of Education, Health, and Human Sciences
Oakley, Alex	33	College of Engineering
O'Banion, Joshua	129	College of Arts & Sciences
O'Hare, Megan	163	College of Social Work
Oldham, Colton	56	College of Engineering
O'Leary, Coleen	152	College of Architecture and Design
Oliff, Kathryn	212	College of Nursing
Ou, Shih-Huei	229	College of Nursing
Owens, Christina	144	College of Architecture and Design
Ownby, Miles	172	College of Agricultural Sciences and Natural Resources
Padgett, Tyler	15	School of Music, College of Arts & Sciences
Palmer, Cody	173	College of Agricultural Sciences and Natural Resources
Parham, Lucy	234	College of Nursing
Parker, Sara	53	College of Engineering
Parrish, Thomas	229	College of Nursing
Parrott, Anthony	80	School of Art, College of Arts & Sciences
Pasley, Alex	137	College of Architecture and Design
Patel, Jenny	53	College of Engineering
Pavlik, Miah	221	College of Nursing
Pearson, Brooke	94	College of Arts & Sciences
Peck, Meredith	177	College of Agricultural Sciences and Natural Resources
Pedigo, Miranda	80	School of Art, College of Arts & Sciences
Plymill, Austin	52	College of Engineering
Pomeroy, Catherine	225	College of Nursing
Porter, Robert	182	Haslam College of Business
Prentiss, Tyrel	95	College of Arts & Sciences
Pressley, Merrell	235	College of Nursing
Pressley, Savannah	224	College of Nursing
Prevost, Amanda	179	Haslam College of Business
Pugmire, Emma	92	College of Arts & Sciences
Quayle, Jeremy	23	College of Nursing
Quillen, Autumn	236	College of Nursing
Raffanti, Gina	148	College of Architecture and Design
Ralston, Georgia	180	Haslam College of Business
Ramos, Greyson	111	College of Arts & Sciences
Raykowitz, Alexandra	90	School of Art, College of Arts & Sciences
Reineri, Liza	181	Haslam College of Business
Reynolds, Campbell	67	College of Arts & Sciences
Reynolds, John	42	College of Engineering
Reynolds, Tonya	221	College of Nursing
Richards, Jessie	169	College of Agricultural Sciences and Natural Resources
Ridley, John	187	Haslam College of Business
Roach, Jordan	68	College of Arts & Sciences
Rogers, Brandon	23	College of Nursing
Rogers, Katie	28	College of Engineering

Ross, Kerri	80	School of Art, College of Arts & Sciences
Roth, Journey	145	College of Architecture and Design
Roth, Journey	146	College of Architecture and Design
Rowan, Brandon	229	College of Nursing
Ruiz, Jonathan	142	College of Architecture and Design
Ruiz, Jonathan	146	College of Architecture and Design
Rule, Samuel	191	Haslam College of Business
Rummage, Rebecca	11	College of Communication & Information
Rumsey, Tatum	153	College of Architecture and Design
Russell, Micah	20	School of Art, College of Arts & Sciences
Rust, Mikah	57	College of Engineering
Saleh, Fadi	3	College of Arts & Sciences
Salvador, Victoria	87	School of Art, College of Arts & Sciences
Samarin, Lindsay	220	College of Nursing
Sanders, Austin	172	College of Agricultural Sciences and Natural Resources
Sandor, Joseph	80	School of Art, College of Arts & Sciences
Sawyer, Clara	234	College of Nursing
Schefano, Antonio	205	College of Education, Health, and Human Sciences
Schmid, Laura	234	College of Nursing
Scott, Macvan	147	College of Architecture and Design
Shaw, Kaitlyn	88	School of Art, College of Arts & Sciences
Shedd, Joseph	137	College of Architecture and Design
Shpik, Alexandra	25	College of Engineering
Simmerman, Richard	64	College of Arts & Sciences
Slayden, Kylie	237	College of Nursing
Smith, Andrea	164	College of Social Work
Smith, Cary	54	College of Engineering
Smith, Dara	170	College of Agricultural Sciences and Natural Resources
Smith, Lauren	228	College of Nursing
Smith, Michael	99	College of Arts & Sciences
Smith, Patrick	100	College of Arts & Sciences
Speck, Lauren	238	College of Nursing
Speed, Alexander	203	Haslam College of Business
Steinmetz, Ashley	239	College of Nursing
Storms, Kira	240	College of Nursing
Stover, Mikhayla	126	College of Arts & Sciences
Stuart, Meghan	118	College of Arts & Sciences
Stuck, Austin	75	College of Communication and Information
Sullivan, Jerry	148	College of Architecture and Design
Taylor, Savanna	233	College of Nursing
Terheggen, Logan	37	College of Engineering
Thomas, Myles	217	College of Nursing
Thomas, Taylor	98	College of Arts & Sciences
Thompson, Elizabeth	240	College of Nursing
Tipton, Jordan	183	Haslam College of Business
Todd, Hunter	148	College of Architecture and Design
Towe, Tucker	146	College of Architecture and Design
Trapnell, Andrew	194	Haslam College of Business
Troutman, Carlton	4	College of Communication and Information
Tucker, Ashley	220	College of Nursing
Tudor, Adam	231	College of Nursing
Vacanti, James	119	College of Arts & Sciences
Valk, Jillian	184	Haslam College of Business
Vargo, Allison	165	College of Social Work
Varriano, Louis	120	College of Arts & Sciences

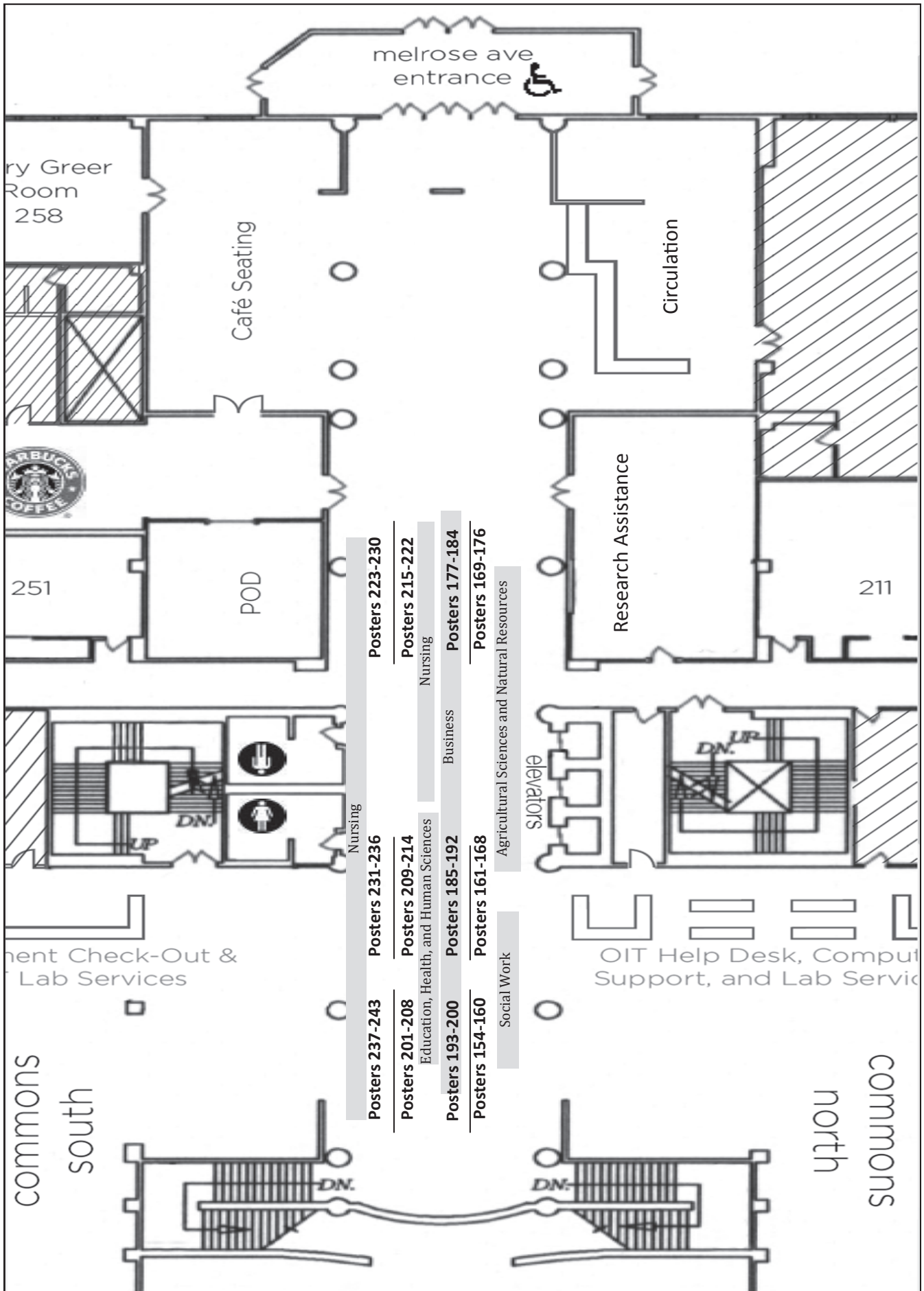
Vawter, Weston	2	College of Arts & Sciences
Veazie, Eleanor	84	School of Art, College of Arts & Sciences
Vernich, Ryan	25	College of Engineering
Vilela Martins Lipman, Marcelle	38	College of Engineering
Vogel, Katherine	212	College of Nursing
Walker, Vincent	17	School of Art, College of Arts & Sciences
Warren, Sid	15	School of Music, College of Arts & Sciences
Weiskittel, Taylor	35	College of Engineering
Welsh, Rachel	124	College of Arts & Sciences
Whitaker, George	171	College of Agricultural Sciences and Natural Resources
White, Benjamin	73	College of Arts & Sciences
White, Valerie	243	College of Nursing
Whitt, Kendall	113	College of Arts & Sciences
Wilkins, Jared	148	College of Architecture and Design
Wilkinson, Alanna	89	School of Art, College of Arts & Sciences
Williams, Chandler	227	College of Nursing
Williams, Christopher	58	College of Engineering
Williams, Taylor	231	College of Nursing
Willis, Lashonna	225	College of Nursing
Wilson, Benjamin	175	College of Agricultural Sciences and Natural Resources
Wimberly, La'Bria	80	School of Art, College of Arts & Sciences
Winstead, Abigail	75	College of Communication and Information
Woodward, Benjamin	241	College of Nursing
Woodward, Mitchell	23	College of Nursing
Worsham, Bethany	242	College of Nursing
Wray, Kaitlyn	74	College of Arts & Sciences
Wright, Elea	90	School of Art, College of Arts & Sciences
Wyatt, Rachael	243	College of Nursing
Young, Joseph	185	Haslam College of Business
Youngquist, Erika	114	College of Arts & Sciences
Zavala, Brayan	75	School of Art, College of Arts & Sciences
Zavala, Brayan	77	School of Art, College of Arts & Sciences
Zelem, Hayden	81	School of Art, College of Arts & Sciences

John C. Hodges Library
1st Floor Map



John C. Hodges Library

2nd Floor Map



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