

SENIOR SHOWCASE PRESENTATION SCHEDULE

THURSDAY, May 31, 2018

BLOCK ONE: 8:50-10:10

ROOM	STUDENT/SEMINAR	TITLE
Auditorium	PHOTOJOURNALISM IN THE DIGITAL AGE: Odyssey Through Images Caitlin Beaver (Prince George), Lyndsey Clark (King and Queen), Ben Hamilton (Chesterfield), Jordan Johnson (Richmond), McKenzie Miller (Chesterfield), Jack Otero (Henrico), Katherine Page (Chesterfield), Kenan Potter (Richmond), Elliot Scaparo (Powhatan), Sadiesha Taylor (Chesterfield), Alan Vallejo (Henrico), Sadie Van Wie (Hanover), Maggie Wright (Goochland)	
Black Box	EXPLORATIONS OF MATHEMATICAL ART Santosh Dasari (Chesterfield), William Jesselson (Henrico), William Larson (Hanover), Lauren Michel (Henrico), Daniel Van De Putte (Richmond)	
120	Frances Heller (Richmond) Anna Soffin (Henrico)	Take a Knee: Questioning the Efficacy of Total Versus Partial Knee Replacements 1, 2, 3, 4, I Declare a Thumb War
126	Jessica Liu (Chesterfield) Lauren Zimmermann (Chesterfield)	Mind the Gap: Using DNA Sequencing to Identify Microbial Threats My Dog is Aggressive... NOT!
202	Autumn Grace Hughes (Chesterfield) Kavya Puthuveetil (Henrico)	Beyond Braille: Haptic Technology for the Blind Fibers from the Future: Creating Nanofibers from Polymer Solutions via Shear Force Spinning
204	Kaylie Lundgren (Richmond) Natalie Maynes (Chesterfield)	The Evolution of Dual-Language Special Education as Technology Advances Tech(knowledge)y: The Effect of Technology on Engagement and Retention in Elementary Schools
226	Kelin Carpenter (Chesterfield) Lauren McCarey (Chesterfield)	Who's Gerry, and What Did He Do to You?: The Effects of and Solutions to Gerrymandering Glass Ceilings in the Central Bank
231/232	GENDER AND CULTURE IN THE MIDDLE EAST AND NORTH AFRICA: Atamana, "I hope": Aspirations vs. Application of the Legal Code in MENA Autumn Baumgart (Chesterfield), Sarah Purrington (Richmond), Sydney Swanson (Richmond), Tyler Stromberg (Chesterfield)	
234	Lauren Davis (Richmond) Catherine Y. Qian (Chesterfield)	Another Bubble?: An Analysis of the Los Angeles Residential Real Estate Market Vertical Mergers: The AT&T and Time Warner's Landmark Case
301	Alexandra Barrett (Richmond) Minhie Willow Kwak (Henrico)	An Analysis of Youth Violence Prevention Programs Fixing the Fixers of Life: Improving Discharge Planning and Communication in the Hospital
303	Lauren Christmas (Goochland) Taylor Hill (Richmond)	The War on Drugs: Morphine vs. Methadone for treatment of Neonatal Abstinence Syndrome Gotta Blast: Recurrence of Pediatric Medulloblastoma
312	Joshua R. Haueis (Henrico) Annie Wang (Henrico)	It's NURF or Nothing: NURF and its Role in Tumor Growth TOV Love: Targeting DNA Repair Defects in Ovarian Cancer Cells
338	Sophia Johnston (Chesterfield) Lauren O'Connell (Richmond)	Should We Get Rid of School Punishments? The 6 P's of Foreign Language Teaching

BLOCK TWO: 10:20-11:40

ROOM	STUDENT/SEMINAR	TITLE
Auditorium	MUSIC SEMINAR: Green Dragon Records Presents: On Track, Off the Record Destini Best (Richmond), Jordan Bowman (Charles City), Cory Brower (Richmond), Rachel Dunaway (Richmond), Alexander Hutchinson (Richmond), Jacob Nixon (Henrico), Donovan Reynolds (Chesterfield), Denbigh Strickland (Richmond), Clara Studdard (Richmond)	
Black Box	EXPLORATIONS OF MATHEMATICAL ART Alison Bekenstein (Henrico), Josephine Martin (Richmond), Rosario Martinez Ramos (Richmond), Eleanor Reavey-Gilbert (Richmond), Margaret Taylor (Chesterfield), Joanne Yang (Chesterfield)	
120	Julia Ball (Henrico) Hiba Saleem (Chesterfield)	When the Powerhouse of the Cell Loses its Power Radicava: The Efficacy of the Newest Drug Approved for ALS
126	Zachary Adee (Chesterfield) Samuel Thornton (Chesterfield)	Power Heist: How Funding and Spending Affects Competition in Collegiate Athletics Location, Location, Location: How Sports Marketing is Affected by Location
202	Jui Paithane (Henrico) Meha Srivastava (Chesterfield)	Jui's Analytica: Predicting Elections Without Upsetting Millions of Facebook Users Free the Youth: Why Kids Behind Bars Are Seeking Justice
204	Katherine Brickley (Henrico) Ana Mullian (Richmond)	To Keep or Not to Keep: Posterior Cruciate Ligament Controversy in Total Knee Arthroplasty What Ever Happened to the Woman Who Fell and Couldn't Get Up? All about Physical Therapy
226	Ethan Choo (Chesterfield) Yug Rao (Henrico)	Traversing the Web: The Future of Search Engines and AI The Comparative Analysis Of Heuristic Community Detection Algorithms On Large Networks
231/232	GENDER AND CULTURE IN THE MIDDLE EAST AND NORTH AFRICA: Wakha, ladies! Now, let's get reformation! Gabriella Cao (Chesterfield), Katherine Peabody (Chesterfield), Emma Roby (Goochland), Maia Uphoff (Richmond)	
234	Mason Beahr (Hanover) Eric Campbell (Chesterfield)	Bitcoin: The Key to Our Economic Future? Preventing Security Vulnerabilities in TLS
301	Anuj Kotak (Henrico) William Miller (Chesterfield) Ezra Pearson (Richmond)	Save a Patient with a Chest Hole: The Open Abdomen Technique in Acute Care Surgery Get Eggcited: A Tangential Journey through Gender, Attention, and a Chicken Fetus Named Fred Hearing and Being Heard - Stronger Patient Relationships for Stronger Patient Results
303	Jenny Glazier (Chesterfield) Thea Konefal (Richmond)	Let's DACA 'Bout It: Undocumented Immigration in Modern America Today's Immigration Policy: Richmond Impacts and Community
312	Dani Chowen (Henrico) Andrew J. Datovech (Hanover)	Urinetown: Not the Musical, But My Mentorship at Virginia Urology Living on Cloud 1001: Database Programming for Enhanced Medical Education
338	Alexander Daglish (Richmond) Daniel Opstelten (Richmond)	Marketing and Its Effect on Product Sales Best I Can Do Is \$0.25 - Sneaker Culture

LUNCH: 11:40-12:20

BLOCK THREE: 12:20-1:40

ROOM	STUDENT/SEMINAR	TITLE
Auditorium	DIGITAL VIDEO Brooks Eason (Richmond), Nicoleta Gavris (Chesterfield), Jack Herrmann (Goochland), Calvin Hogg (Richmond), Rahlil Jones (Henrico), C. Elizabeth McCombs (Powhatan), Wyatt Mingus (Richmond), Jenna Phan (Henrico), Maya Roman (Richmond), Hunter Taylor (Henrico), Elias Wolman (Henrico), Rachel Zhao (Henrico)	
Black Box	THE AMERICAN DREAM IN LITERATURE AND FILM Reshad Awal (Chesterfield), Angela Chen (Henrico), Jackson Downs (Chesterfield), Natalie Hale (Richmond), Mary Hopper (Hanover), Ashley Nelson (Hanover), Brittani Telfair (Richmond)	
Forum	MILITARY HISTORY Adam Blankenship (Hanover), Kent Dickey (Richmond), Will Hoffer (Richmond), Thomas Hoke (Richmond), Diano Lloyd (New Kent), Nathan Moore (Chesterfield), Bailey Moro (Chesterfield), Abigail Olson (Richmond), Kelly Richters (Chesterfield), Eder Rivas-Hernandez (Chesterfield), Andrew Shin (Henrico), Michael Zmuda (Hanover)	
120	Isabella Dulá (Henrico) Jakob Holweger (Henrico)	From 3D Printing to Nanomedicines: a Year in Chemical Engineering Droplet Detachment: A Centripetal Method of Force Generation in a Pendant Droplet-Fiber Interface
126	Priya Singh (Chesterfield) Ananya Suram (Henrico)	One Mutation, Twice the Survivability Rate: How the IDH Mutation Helps Patients with Glioma Quit Playing Games with My Heart: Anti-Inflammatory Therapies for Cardiovascular Patients
202	Megan Lee (Chesterfield) Andrea Macedo (Chesterfield)	Hugs Not Drugs: Volunteer Cuddler Programs to Treat Neonatal Abstinence Syndrome Like a G4: Comparing Copper-Free Click Versus Non-Click Chemistry Methods of Drug Delivery
204	Daniel Hall (Chesterfield) Lauren Hall (Chesterfield)	Graph Theory and Finding the Influence of Data Stepping into the Future: Using Piezoelectricity to Harness Green Energy
226	Idoia Dizon (Henrico) Natalie Little (Chesterfield)	Aches and Gains: Surgical and Symptomatic Treatments For Chronic Low Back Pain The Tempo of your Temper: Deep Brain Stimulation for Psychiatric Disorders
231/232	GENDER AND CULTURE IN THE MIDDLE EAST AND NORTH AFRICA: <i>Balak!</i> 'Move or be moved!' Antara Garg (Henrico), Rhiannon Doane (Chesterfield), Hannah Lee (Chesterfield), Katherine Quinn (Richmond)	
234	Benjamin Hazelton (Richmond) Mitchell V. Turnage (Hanover)	The Regional Greenhouse Gas Initiative: A Bipartisan Carbon Tax to Address Climate Change Fishy Business: Weighing Commercial vs. Recreational Fishing and Aquaculture in a Changing Ecosystem
301	Sarah Carr (Richmond) Margaret MacCabe (Chesterfield)	Get SmART: The Importance of Effective Arts Education Programs for Children and Teenagers Raising the Barre: How the Incorporation of Politics Elevates Ballet
303	Kate Lord (Richmond) David Nissly (Henrico)	Adventures in Superhydrophobicity Big Problems with Small Particles: Nanolipid Carriers
312	Cade Elliott (Henrico) Benjamin Widener (Henrico)	College Rankings: Who Cares and Why? Can Theta Burst Stimulation be used for SCI Rehabilitation? The results may SHOCK you
338	Emily Ma (Henrico) Joe Paul (Prince George)	Defender Bender: Funding Public Defender Offices in Contemporary America The Influence of the Media on the Public's Perception of Litigation

BLOCK FOUR: 1:50-3:10

ROOM	STUDENT/SEMINAR	TITLE
Auditorium	DIGITAL VIDEO Grace Barron (Richmond), Ned Cooper (Richmond), Alex Dowdy (Hanover), Liam Goble-Garratt (Henrico), Matthew Haines (Hanover), Annie Herndon (Hanover), Kristin Hines (Henrico), Sam Hopper (Hanover), Esosa Ighodaro (Petersburg), Mary-Dryden Maio (Richmond), Caroline Nyfeler (Richmond), Lilian Price (Richmond), Cole Ragone (Goochland)	
Black Box	THE AMERICAN DREAM IN LITERATURE AND FILM Ryan Ellis (Prince George), Samantha Grossman (Richmond), Owen Peck (Richmond), Natalie Quick (Henrico), Eliza Webster (Powhatan), Mary Williams (Richmond)	
120	Vasu Kansagra (Henrico) Anisha Sharma (Henrico)	Breaking the Laws of Blood Circulation May Get You a Cardiac Arrest The Art of Diagnosis: A Case Study on Glioblastomas
126	Claire Bencks (Richmond) Siri Kodu (Chesterfield)	Low-Cost Vet Clinics: Providing Care for All Pets Life's Ruff: CCL Injury in Canines and the Genetics Behind Them
202	Nathan Jones (Powhatan) Nathan Taminger (Chesterfield)	How Could the Tides Power our Homes in the Future? It's Not Just Getting Hot in Here: Climate Change and Its Impact on the James River
204	Evan Donnellan (Henrico) Rachel Myrick (Goochland)	Clot or Not: The Role of Blood Coagulation Tools in Lowering Hospital Mortality Rates Whodunit?: How to Determine the Cause of Death On and Off the Autopsy Table
226	Abigail Barber (New Kent) Julie Hribar (Chesterfield)	When Hearing Becomes Seeing: Cross-Modal Plasticity in the Auditory Cortex You've Got to Be Kidneying Me: The Treatment of Renal Diseases in Pediatric Patients
231/232	GENDER AND CULTURE IN THE MIDDLE EAST AND NORTH AFRICA <i>Seeing "Beyond the Veil": Social and Political Perspectives of Jordan, Saudi Arabia, Ethiopia, and Algeria</i> Ninfa Amador-Hernandez (Chesterfield), Katherine Grant (Richmond), Ma Kristina Vicente (Petersburg), Sarai Yates (Richmond)	
234	Emma Hearington (Chesterfield) Maelee Hearington (Chesterfield)	Stop R.O.P. & Roll: The Best Treatments for Retinopathy of Prematurity Maymont K'NEX Students to Science: Reforming STEM Education
301	Morgan Ackley (Chesterfield) Isabel Galgano (Richmond)	Get Out of Jail Free: Clemency Power on the State Level The Kids Are Not Alright: The Effects of Prosecutorial Discretion on Juvenile Delinquents
303	Aditya Kannoth (Henrico) Elizabeth Hinckley (Goochland)	Avoiding the "Cold Shoulder": Implementing a Database to Improve Brachial Plexus Care It Ain't Easy Bein' Wheezy: An Analysis of Pediatric Asthma
312	Grant Hutchins (Chesterfield) William Johnson (Richmond)	MOFs: Metal-Organic Frameworks and the Thirst for Water An Exploration of AKD and Contact Angles
338	Thomas Green (Henrico) Abigail Millar (Richmond)	The 21st Century Fountain of Youth: Reversing Decades of Skin Damage Get Clean, Stay Clean: Opiate Relapse Prevention Via Extended Release Naltrexone