

Duke Colloquium Schedule | April 25, 2025

Morning Sessions

	YATES 221	YATES 222	GANO ASSEMBLY	PLC 112	
	<i>Faculty Moderator: Dr. Blane Baker</i>	<i>Faculty Moderator: Dr. Brendon Benz</i>	<i>Faculty Moderator: Dr. Mahsa Hosseini</i>		
9:00	Measuring the Distances of Galaxies with Clustering Redshifts Caio Cavarsan <i>Advisor: Dr. Ross Cawthon</i>	Girls Race to Ace: A Program Designed to Build Life Skills and Confidence in Girls Molly McBratney <i>Advisor: Dr. David Lisenby</i>	Dapsone Improves Healing Times in Brown Recluse Spider Envenomation-A Retrospective Study Nirbhay Vohra and Baran Basu <i>Advisor: Dr. Mahsa Hosseini</i>		
9:20	Material Analysis via X-Ray Diffraction and Mechanical Testing Adam Hoffman <i>Advisors: Dr. Blane Baker, Dr. Maggie Sherer</i>	Examining How to Improve Financial Literacy for Teens Camille Anderson <i>Advisor: Dr. David Lisenby</i>	Assessing Eye Health and Access to Care Among American Indian and Alaska Native Individuals in Kansas City Landon Lee <i>Advisor: Dr. Mahsa Hosseini</i>		
9:40	Development of Hollow Creek Residential Subdivision Carson Payne, Ian Lawson, Dillon Carr, Emalie Olson, Keketso Lipholo <i>Advisors: Dr. Will Lindquist, Dr. Taqsim Husnain, Dr. Lea Skelton</i>	Analyzing Slavery Curriculum at the Elementary Level in the KC Metro Region McKinzie Thompson <i>Advisor: Dr. David Lisenby</i>	The Objectives of Medical Experimentation by James Marion Sims 1845-1849 Hrithika Bhugvandeem <i>Advisors: Dr. Daniel Kotzin, Dr. Megan Groninger</i>		
10:00 – 10:45 Poster Presentations Yates Gill Union Atrium					

	YATES 221	YATES 222	GANO ASSEMBLY	PLC 112	PILLSBURY MUSIC CENTER 311
	<i>Faculty Moderator: Ms. Marissa Bland</i>	<i>Faculty Moderator: Dr. Ben Jasnow</i>	<i>Faculty Moderator: Dr. Cory Washington</i>	<i>Faculty Moderator: Dr. Joseph Shih</i>	<i>Faculty Moderator: Dr. Jessica Koebbe</i>
10:45	Examining Contemporary U.S. Bank Failures Through the Perspective of Minsky's Financial Instability Hypothesis Camille Anderson <i>Advisor: Dr. Michael Cook</i>	Race and Freedom in the Art of Eastman Johnson and Robert S. Duncanson Sunny Williams <i>Advisor: Dr. Daniel Kotzin</i>	The United States Death Penalty as Modern-Day Lynching Tatyana Turner <i>Advisor: Dr. Alan Holiman</i>	Pollen and Spores of the Dennis Formation Jonas May <i>Advisor: Dr. Nathan Jud</i>	Connecting the Dots: Music as Storyline, Not Just Notes Naomi Speck <i>Advisor: Dr. Jessica Koebbe</i>
11:05	Peace and Conflict: Testing the Liberal Democratic Peace Theory Alexander Walls <i>Advisor: Dr. Gary Armstrong</i>	Queer inclusion in Christian KC Churches Ryan West <i>Advisor: Dr. David Lisenby</i>	Understanding the Impact of Covid-19 on Kansas City Food Banks Carson Payne <i>Advisor: Dr. David Lisenby</i>	The Effects of Intraspecies and Interspecies Competition on Genetic Device Construction and Performance Samantha Thompson <i>Advisor: Dr. Joseph Shih</i>	
11:25	Ukraine 1917: The Creation of a Nation Nathaniel Baggerly <i>Advisor: Dr. Daniel Kotzin</i>	Queer inclusion in Christian KC Churches - Community Panel Ryan West and Guests <i>Advisor: Dr. David Lisenby</i>	Katajjaq: Inuit Throat Singing Hannah Haley <i>Advisor: Dr. Dorothy Glick Maglione</i>	Evaluation of the Signaling Pathway Between Pseudomonas aeruginosa and Escherichia coli via a Spent Media Assay Clara Fronabarger <i>Advisor: Dr. Joseph Shih</i>	
11:45–1:00 Lunch Break During this time students, families, and guests are welcome to purchase lunch in the cafeteria or eat off campus. Yates Dining Room is reserved for presenters and guests.					

Duke Colloquium Schedule | April 25, 2025

Afternoon Sessions

	YATES 221	YATES 222	GANO ASSEMBLY	PLC 112	PILLSBURY MUSIC CENTER 311
	<i>Faculty Moderator: Dr. Keli Braitman</i>	<i>Faculty Moderator: Dr. Daniel Kotzin</i>	<i>Faculty Moderator: Dr. David Lisenby</i>	<i>Faculty Moderator: Dr. Lilah Rahn-Lee</i>	<i>Faculty Moderator: Dr. Dorothy Glick Maglione</i>
1:00	<p>Integrated Mathematic Lessons' Effects on Mathematical Identity</p> <p>Preston Bigler & Landis Johnson</p> <p><i>Advisor: Dr. Jeanine Haistings</i></p>	<p>Illuminating the History of the Radium Girls</p> <p>Cal Perkins</p> <p><i>Advisor: Dr. Megan Groninger</i></p>	<p>The Foster Care to Homelessness Pipeline: Identifying Risk Factors and Ways to Address Them</p> <p>Erin Wenzel</p> <p><i>Advisor: Dr. David Lisenby</i></p>	<p>Lactobacillus acidophilus Promotes Oxidative Stress in a Escherichia coli and Pseudomonas aeruginosa Wastewater Co-Culture Model</p> <p>Sadie Blacketer</p> <p><i>Advisors: Dr. Joseph Shih, Dr. Lilah Rahn-Lee</i></p>	<p>The Creative Process of Young Composers</p> <p>Bryson Gates</p> <p><i>Advisor: Dr. Dorothy Glick Maglione</i></p>
1:20	<p>The Implications of Vocabulary in Reading Comprehension and the Production of Oral Narratives in Elementary Students</p> <p>Elisabeth Hampl</p> <p><i>Advisor: Dr. Amy Barth</i></p>	<p>"We Can No Longer Accept Genocide as an Answer to AIDS": ACT UP and the History of AIDS Activism in Kansas City, Missouri</p> <p>Tarryn Fredde</p> <p><i>Advisor: Dr. Daniel Kotzin</i></p>	<p>Honors Institute Project: A Nutritional Education Initiative for Underserved Mothers and Children</p> <p>Lauren Flickinger</p> <p><i>Advisor: Dr. David Lisenby</i></p>	<p>How do bacteria survive stress? The gene yqiK strengthens the Escherichia coli cell envelope.</p> <p>Scott Jolly</p> <p><i>Advisor: Dr. Lilah Rahn-Lee</i></p>	

1:40	Do Colleges Provide Pre-Service Teachers What they Need to Work Effectively in an Inclusive Classroom? Leo Edwards <i>Advisor: Dr. Amy Barth</i>	From Blood to Oblivion: Little Italy and the Making of Columbus Park Jacob Tetlow <i>Advisor: Dr. Daniel Kotzin</i>	Experiential Learning in Evidence-Based Chaplaincy Nancy Gillespie <i>Advisor: Dr. David Lisenby</i>	Biofilm Formation is Not a Primary Factor in Promoting Multi-Species Growth for Pseudomonas aeruginosa and Escherichia coli Communities Skyler Boylan <i>Advisor: Dr. Lilah Rahn-Lee</i>	
2:00	PILLSBURY MUSIC CENTER 311 Musical Theatre Revue: Family Matters Ivan Calderon, Marquis Williams, Lianna Morelli, Clara Bay, Giuliano Lule-Paredes Advisors: Dr. Jennifer Townsley, Prof. Nathan Wyman				

Poster Presentations

“Why Russia Refrained From a ‘Cyber Pearl Harbor’”

Amberlyn Hoeper

Advisor: Dr. Gary Armstrong

“The Impact of Maternal Stress on Fetal Development and Birth Outcomes”

Kalin Lamus

Advisor: Professor Debra Penrod

“The Efficacy of Non-Pharmacological Pain Interventions and Their Role in Reducing Opioid Usage”

Maxwell Forbes

Advisor: Professor Debra Penrod

“The De-labeling of Penicillin Allergic Label”

Walter Chan

Advisor: Professor Debra Penrod

“Telehealth: A Means to Increase Healthcare Accessibility for Obese Populations”

Nicholas Zakucia

Advisor: Professor Debra Penrod

“The Dramatic Increase in Mental Health Diagnoses: A Multifaceted Analysis”

Jack Alsbach

Advisor: Professor Debra Penrod

“Pryor Legacy Project 2025”

Hrithika Bhugvandeem, Lottie Vickers, Clara Fronabarger, Abigail Harder, Ian Wooldridge

Advisor: Dr. Cory Scheer