

WELCOME



FROM PRESIDENT DAVID R. HARRIS

Welcome to the 2025 Steinmetz Symposium!

The Union community greatly values collaboration between and among students and faculty. In that spirit, each spring for the last 35 years, the College has paused classes to celebrate achievement of our students in scholarship, research and the arts.

The presentations, exhibits and performances you will see today reflect the intellectual and creative curiosity of our students. Today's events also reflect the boundless dedication of our faculty and staff.

It is exciting to see the energy of our students and the joy they find in developing and presenting their work, as well as the support they show for one another. Today will be a meaningful experience that stays with our students. We hear often from alumni that participating in Steinmetz was a significant and transformational milestone.

Please join me in thanking the organizing committee for the 2025 Steinmetz Symposium. In particular, I want to acknowledge Matt Anderson, Associate Professor of Computer Science and Director of Undergraduate Research; and Ruth Cotter, Assistant to the Dean of Studies.

Finally, I hope you can join us for Prize Day in Memorial Chapel on Saturday, May 10, at 1 p.m., when we will recognize our students for scholarly excellence and leadership.

A handwritten signature in black ink, reading "D. Harris".



To view the online program for the 2025 Steinmetz Symposium, visit: steinmetz.union.edu/program.

SCHEDULE OF EVENTS

FRIDAY, MAY 9	STEINMETZ SYMPOSIUM
8:30 a.m. – 5:40 p.m.	Student Presentations Presentations on student creative, scholarly, and research achievement. Presentations on student creative, scholarly, and research achievement.
9:00 a.m. – 5:00 p.m.	The 2025 Annual Steinmetz Symposium Student Visual Arts Exhibition The exhibition will be open Monday through Friday from 9:00 a.m. - 5:00 p.m., through Sunday, May 11, 2025. This exhibition features 250 artworks by 70 students. FEIGENBAUM CENTER FOR VISUAL ARTS
11:30 a.m. – 12:30 p.m.	The Templeton Institute: The Powers of Interdisciplinary Undergraduate Research OLIN AUDITORIUM
11:30 a.m. – 12:30 p.m.	The Union College Music Department: Chamber Music Showcase TAYLOR MUSIC CENTER, EMERSON AUDITORIUM
4:00 p.m.	Lothridge Festival of Dance 2025 THE NOTT MEMORIAL
9:00 p.m.	2025 Spring Concert MEMORIAL CHAPEL
SATURDAY, MAY 10	PRIZE DAY
11:00 a.m.	Union College Jazz Ensemble Steinmetz Concert TAYLOR MUSIC CENTER, EMERSON AUDITORIUM
1:00 p.m. – 3:00 p.m.	Presentation of Prizes and Recognition MEMORIAL CHAPEL

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Union College Jazz Ensemble 11:00 a.m.	Taylor Music Center Emerson Auditorium	27

HOURS

THE BOOKSTORE WILL BE OPEN:	SCHAFER LIBRARY WILL BE OPEN:	THE NOTT MEMORIAL WILL BE OPEN:
Friday, 8:45 a.m. – 5 p.m. Saturday, 10 a.m. – 3 p.m. Sunday, closed	Friday, 8 a.m. – midnight Saturday, 10 a.m. – midnight Sunday, 10 a.m. – 2 a.m.	Friday, 10 a.m. – 6 p.m. Saturday, 10 a.m. – 6 p.m. Sunday, 10 a.m. – 6 p.m.



THE 2025 ANNUAL STEINMETZ SYMPOSIUM STUDENT VISUAL ARTS EXHIBITION

9:00 a.m. – 5:00 p.m. / Crowell and West Galleries in the Feigenbaum Center for Visual Arts

The Department of Visual Arts is proud to present this year's Steinmetz Exhibition, selected from the most outstanding student work in Drawing, Painting, Printmaking, Photography, Sculpture, and Digital Art. The exhibiting artists include departmental majors, minors, as well as students from other disciplines. The dynamic, creative synthesis embodied in this year's work demonstrates our students' exploration of their media, development of their concepts, and complex dialogues between the past, present, and future.

The exhibition is held in the Crowell and West Galleries, Feigenbaum Center for Visual Arts, and will be open Monday through Friday from 9:00 a.m. - 5:00 p.m., through Sunday, May 11, 2025. This is our largest Steinmetz exhibition yet—in both scale and diversity—featuring 250 artworks by 70 students.

Students exhibiting in the Visual Arts Exhibition

Beatriz Silva de Almeida
Parinya Arunniyomsak
Lily van Baaren
Sedona Baird
Gabriela Balakier
Ashlesha Bhagat
Jayson Bromberg
Cami Carino
Cray Case
Harmon Cleary
Tobin Clouser
Lauren Czubek
Victoria Davison
Maya Dow
Colin Farrell
Jonathan Fischman
Ryan Geiger
Rebecca Gerdis
Ella Gillespie
Skye Hall
Devon Hardy
Ethan Harrison
Xuan Ho
Evelyn Jacobsen
Piff LaBoy
Isla Langsdorf
Alexis Lawton-Lewis
Caitlin Lee
Isaac Levey
Cole Pierson
Chloe Matthew
Maddie McCarron
Shelby McKim
Sophie Mullen
Lia Nichols
Anna Nickman

Bryan Nunez
Juan Ortiz
Miraj Parekh
Jenna Paszek
Natalie Pinto
Ambrose Proctor
Luke Rader
Trishikha Kiran Rao
Chloe Rapant
Frank Rapant
Juliette Richenthal
Simon Rhodes
Sophia Rothberg
Cleopatra Salam
Selena Scarborough
Jane Schreiner
Spencer Shaffer
Zach Shatzer
Nicolette Skretkowicz
Ceci Snyder
Robert Speck
Ben Stern
Ella Swanson
Ysabel Thompson
Abby Trzepla
Alissa Tsay
Jack Vagianelis
Lily Valverde
Ariela de la Villa Irizarry
Caroline Werner
Maia West
Jordan Whittier
Suzanna Wright
Nathan Wright
Anayat Zhumagaliyeva
Rowan Ziegler



SESSION I

8:30 a.m. – 10:10 a.m. / Concurrent Oral Presentations

ISEC 120

Reproductive Endocrinology

MODERATOR: BRIAN COHEN

8:30 a.m. / Sarah DeRosa

Visualization of the Interactions between the Human Follicle Stimulating Hormone Receptor and Lipid Rafts

8:50 a.m. / Madeleine Beaulé

Colocalization of hFSHR and Caveolin in the Lipid Raft

9:10 a.m. / Komila Dustbabayeva

Determining the Significance of the Caveolin Binding Motif in FSHR Caveolin Interactions

9:30 a.m. / Teagan Shay

Investigating the Effects of Mutations in the Caveolin Binding Motif on Human Follicle Stimulating Hormone Receptor Signaling

ISEC 124

Chemistry I

MODERATOR: JOANNE KEHLBECK

8:30 a.m. / Raquel Dueñas

Greener synthesis of peptoids with varying hydrophobic monomers for the formation of peptoid nano-sandwich

8:50 a.m. / Sasha Stark

Developing sequence design rules for peptoids capable of assembly into nano-sandwiches

9:10 a.m. / C'Lannye James

Thermal Analysis of Gold-Containing Bilayer Peptoid Nanosheets

9:30 a.m. / Anthony Condemi

Catalytic Wittig Approach to the Piperacase Family of Natural Products

9:50 a.m. / Khai Thu Pham and Shams Qureshi

Robust synthesis of an array of α -amino acid-derived heteroaryl ketones as potential inhibitors for metacaspases found in *S. commune*

KARP 001

Community-based Care of Vulnerable Populations

MODERATOR: CAROL WEISSE

8:30 a.m. / Marissa Gnitzcavich

Maternal Health Matters at Hometown Health Centers: Resource Exploration and Analysis of OB Self-Monitoring Blood Pressure (OBSMBP) Program

8:50 a.m. / Hannah Casalena

Exploring End-of-Life Journeys of Hospice Patients with Neurodegenerative Diseases in Home Settings: Understanding Symptom Management and Caregiver Impact

9:10 a.m. / Mridula Shanker

Distinguishing End-of-Life Symptoms from Antidepressant Discontinuation Syndrome: Implications for Symptom Management and Medication Use

9:30 a.m. / Jordan Whittier

The Frequency and Severity of Hyperactive Delirium Among Home Hospice Care Patients During the Last Week of Life

KARP 002

Psychology I

MODERATOR: MARLOW GUERRANT

8:30 a.m. / Gabriella Gatto

Assessing Why Mindfulness Meditation Increases False Memories

8:50 a.m. / Mitchell Ashton

(Re)constructing Healthier Masculinities: A Comparative Analysis of Two School-Based, Positive Masculinity Programs

9:10 a.m. / Lora Condon, Elsa Dorrance and Anthony Montas

Barriers to Transgender Healthcare: Examining Familial Attitudes, Medical Discrimination, and Systemic Inequalities

9:30 a.m. / Nickky Obi

Mic Check, Identity Check: Hip Hop's Role in Young People's Identity Formation, Social Behavior, and Self Esteem

SESSION I

8:30 a.m. – 10:10 a.m. / Concurrent Oral Presentations

KARP 006

French and Francophone Studies

MODERATOR: CHARLES BATSON

8:30 a.m. / Beverly Yauri

Wounds of War: The Evolution of Psychiatric Care in France, 1950 - 2000's

8:50 a.m. / Caroline Monaco

Understanding Pollution in the Francophone World: An Analysis of Four Case Studies

9:10 a.m. / Ece Yenigun

Black-Blanc-Beur: Le Football comme Reflet et Défi de l'Identité Multiculturelle en France et dans le Monde francophone

9:30 a.m. / Rebecca Folse

Translating, Researching, Interpreting, and Cooking Recipes from the Alsatian-Jewish Community

KARP 103

History I

MODERATOR: ELENA MCGRATH

8:30 a.m. / Jennifer Mendez

The Enduring Significance of Democratic Moments in 20th-Century Mexico, Guatemala, and Chile

8:50 a.m. / Atticus Bennett Cooper

A Flashing Neon Sign: Anti-Trans Violence as a Barometer for State Terror in Latin America

9:10 a.m. / Ariana Rogowski

The Socialist Roots of Schenectady's Parks: A City-Wide Realization of the Child-Saving Organized Play Movement

9:30 a.m. / Ethan Silverman

Redlining in Schenectady: A Historical and Contemporary Examination of Housing Discrimination

KARP 105

Klemm Fellows I

MODERATOR: LARA ATKINS

8:30 a.m. / Sriya Baru

Life & Death in Cambodia: My Midwifery Experience

8:50 a.m. / Honora Hillery

Teaching English in Sri Lanka

9:10 a.m. / Gaku Iwata

Beyond Apartheid: Empowerment in Vrygrond, South Africa

9:30 a.m. / Miranda Bossi

Global Engineering Impact: My Internship Experience in Sri Lanka

9:50 a.m. / Trevor Smick

Diving with a Purpose: Coral Reef Conservation in Koh Tao, Thailand

LIPPMAN 012

Sociology I

MODERATOR: DAVID COTTER

8:30 a.m. / Olivia Bowser

The Role of Empathy and Race in Attitudes Toward the Poor

8:50 a.m. / Mary Kelley

From Policy to Practice: Examining Mandated Reporting Training for Teachers

9:10 a.m. / Rebecca Gerdis

Medicalized Motherhood: The Relationship Between Cesarean Sections and Maternal Satisfaction

9:30 a.m. / Abby Wilder

Why Won't You Acknowledge that I'm Gay?: Assessing the Suitability of Mental Health Chatbots for Queer College Students

SESSION I

8:30 a.m. – 10:10 a.m. / Concurrent Oral Presentations

LIPPMAN 014

Neuroscience I

MODERATOR: CAY ANDERSON-HANLEY

8:30 a.m. / Katie Gibbons

Neuro-exergaming with iPACES and executive function of autistic youth

8:50 a.m. / Connor Cavanaugh

Substance Use History and Exercise: Impact on Cognitive Benefit of Neuro-exergaming with iPACES

9:10 a.m. / Shaelyn Kelley

Heart-Brain Connection: Heart Rate Variability and Cognitive Functioning Following Neuro-exergaming

9:30 a.m. / Karly Willson

Assessment of Motor Evoked Potential Reliability in Measuring Motor Adaptation in Lower Extremity Muscles

LIPPMAN 016

Economics I

MODERATOR: STEPHEN SCHMIDT

8:30 a.m. / Sathvik Narayana

Differential Pricing for Medical Procedures and its Impact on Patient Outcomes

8:50 a.m. / Anna Nickman

Impact of Wash Trading in the NFT Market

9:10 a.m. / Ananya Gupta

From Policy to Practice: How Governance Quality Shapes the Equitable Distribution of Resources for Key Sectors

9:30 a.m. / Grace Canepari

The Effect of Urban Green Spaces Within Highly Populated Urban Areas on the Prevalence of Obesity and Depression

9:50 a.m. / Viraj Brahmbhatt

Assessing Impact of Affordable Care Act Implementation on Routine Vaccination Rates

LIPPMAN 017

Political Science I

MODERATOR: BRADLEY HAYS

8:30 a.m. / Michael Stanco

Undisclosed: The Attack on Campaign Finance Disclosure

8:50 a.m. / Gabrielle Baker

Too Much or Not Enough? An Analysis of the 2024 Presidential candidates on TikTok

9:10 a.m. / Tatum Perkins

Social Media Influence on the Information Gap and Political Knowledge

9:30 a.m. / Riley Callahan

Establishing Legitimate Institutions Within a Conflict-Affected State: A Case Study of Ukraine's Legal System

9:50 a.m. / Patrick Jotz

The Alternative for Germany (AfD): Challenges to the German Political Party System amid the Resurgence of Far-Right Populism

OLIN 106

Ecology, Environmental Science & Policy

MODERATOR: JEFF CORBIN

8:30 a.m. / Andrew Mitchell

Does Forest Management have Unintended Consequences for Habitat Restoration?

8:50 a.m. / Anthony Clement

Reframing the Unframable: Shifting Climate Discussions from 'Doom' to 'Bloom'

9:10 a.m. / Sophie Kilpatrick

Waste Colonialism: The Stream of Fashion Waste and Second-hand Clothing from the Global North to Global South

9:30 a.m. / Isabella Conte

The Evolution of Greenwashing: Analyzing Corporate Strategies and Their Impact on Environmental Policy and Public Discourse

9:50 a.m. / Daniela Aleman Perez

Bird Mortality from Window Collisions

SESSION I

8:30 a.m. – 10:10 a.m. / Concurrent Oral Presentations

OLIN 306

Climate and Environmental Change

MODERATOR: MELISSA DESIERVO

8:30 a.m. / Alexander Forsyth

The Last Big Change: Holocene Deglaciation and Paleoclimate Reconstruction from High-Altitude Speleothems in the Peruvian Andes

8:50 a.m. / Melody Kappel

Reconstructing the Penultimate Glaciation: Marine Isotope Stage 6 Record from Speleothems in the Peruvian Andes

9:10 a.m. / Georgianna Rankin

Decoupling Local and Global Influences on South American Monsoon Dynamics During MIS 8/9: Insights from Peruvian Andes Stalagmites

9:30 a.m. / Christopher Brandreth

Isotope paleo-analysis of freshwater bivalves and implications on paleoenvironment bounding the K-Pg extinction

9:50 a.m. / Ishita Khambete

The Effect of Elevation and Soil Moisture on Water Use Efficiency of Understory Plants

VART 204

Visual Arts

MODERATOR: DAVID OGAWA

8:30 a.m. / Sadie Hill

The Art of Chemistry: Restoring a 19th Century Book of Catalogues

8:50 a.m. / Ashley Cirilla

Public Canvases: The Political and Communal Power of Murals

9:10 a.m. / Lily van Baaren

When You Are the Camera and the Camera is You: The Act of Dressing up in Photography

9:30 a.m. / Aylin Ergun

The Visual Identity of Meiji Japan and its Overseas Presentation

9:50 a.m. / Lili Wang

The Past and the Beyond: Recreating History and the Myth in VR

10:10 a.m. / Merz Kuhn

Proposal for an Artwork to Accompany the Chinese Stone Lion

WOLD 128

Sigma Xi

MODERATOR: TIMOTHY BARNUM

8:30 a.m. / Nolan Randall

Thin Film Formulation of an Outer Membrane Vesicle Vaccine

8:50 a.m. / Daniel Singer

Mild Copper-Catalyzed Synthesis of Benzoxazoles

9:10 a.m. / Sophia Pappas

Hepatocyte Conditioned Media Promotes Endothelial Fatty Acid Uptake

9:30 a.m. / Trishikha Kiran Rao

Ego and academic ethics: Investigating the association of narcissistic antagonism, agentic extraversion, and neuroticism with academic entitlement and academic dishonesty

9:50 a.m. / Sienna Dunham

Darwin's Naturalization Conundrum revisited: The limited role of phylogenetic and trait distances as predictors of non-native plant success



SESSION II

10:20 a.m. – 11:20 a.m. / Concurrent Oral Presentations

ISEC 120

Physics & Astronomy

MODERATOR: FRANCIS WILKINS

10:20 a.m. / Eduardo Castro

Stationary Point Observations for Koronis Family Asteroid (1442) Corvina

10:40 a.m. / Jayson Bromberg

Measurement of Spin-Density Matrix Elements of the $\phi(1020)$ Meson at GlueX

11:00 a.m. / Devin Ramos

Dust Distributions in Protoplanetary Disks from Disk Winds

ISEC 124

Chemistry II

MODERATOR: LEE PEDZISA

10:20 a.m. / Ishika Chourasia

Development of reactions for the five prime fluorescent tagging of RNA to visualize structural conformations

10:40 a.m. / Abigail Bowman

DNA Interaction of Metallo-Organic Complexes Evaluated Through Binding-Strength and Cleavage Assays

11:00 a.m. / Owen Smith

Evaluating Potential Novel Cancer Therapeutics Through Cell Culture-Based Assays

KARP 103

Anthropology

MODERATOR: ROBERT SAMET

10:20 a.m. / Elissa Frederique

There Is No Racism In Panama

10:40 a.m. / Ambrose Proctor

The Repatriation of Human Remains: a Comparative Analysis of Material Decolonization

11:00 a.m. / Rhiannon Sobetzko

The Interconnected Cycles of Poverty, Substance Abuse, and Mass Incarceration

KARP 105

History II

MODERATOR: SARINA KUERSTEINER

10:20 a.m. / Aliyah Hoffman

The gendered nature of relics, reliquaries and devotional objects in late medieval Europe.

10:40 a.m. / Alex Roginski

David and Goliath: Comparing Medieval Manuscript and Modern Graphic Novel

11:00 a.m. / Seona Chutaro

Intersectional Perspectives on Citizenship, Suffrage, and Labor Rights in the Early 20th Century: Comparative Discourse Analysis of Carrie Chapman Catt and Women of the Philippines

LIPPMAN 012

Classics

MODERATOR: STACIE RAUCCI

10:20 a.m. / Matthew Connolly

The exiles of 39: The emperors' sisters and early imperial politics

10:40 a.m. / Brendan Cullen

Nobody: Homeric Constructions of Odysseus as Liar and Truth-Teller

11:00 a.m. / Catherine Lapham

Troubles in Translation

LIPPMAN 016

Sociology II

MODERATOR: CHEIKH NDIAYE

10:20 a.m. / Wellington Matos

Denouncing Westernized Perspectives on Africa

10:40 a.m. / Chisom Uchendu

Maternal Mortality in America: Causes, Consequences, and the Fight for Change

11:00 a.m. / Sophie Mullen

Special Education in the United States: Examining Strengths and Weaknesses

SESSION II

10:20 a.m. – 11:20 a.m. / Concurrent Oral Presentations

LIPPMAN 101

Theatre

MODERATOR: DAN VENNING

10:20 a.m. / Spencer Newman, Brian Rusk and Lilian Ruggieri

An Exploration into 24 Hour Theatre

OLIN 106

Computer Science

MODERATOR: CHRIS FERNANDES

10:20 a.m. / Ashlesha Bhagat

Context Sensitive Selective Undo Model

10:40 a.m. / Minh Phuc Nguyen

Improving SUSP Simplification Algorithms In CUDA

11:00 a.m. / Aryan Mayor

Soft Robot Locomotion

OLIN 306

Geochemistry

MODERATOR: MASON STAHL

10:20 a.m. / Kirsten Litchfield

Environmental Records in Speleothems: Tracking Historical Heavy Metal Pollution from Mining and Metallurgy in the Peruvian Andes

10:40 a.m. / Keith Lawless

Environmental controls on rice grain arsenic contamination in Cambodia: Insights from hydrologic conditions and stable isotopes

11:00 a.m. / Andrea Kaufer

Investigating the Marcy Anorthosite: Trace Element Zoning in Garnet Despite Compositional Homogeneity

WOLD 128

Aerogels

MODERATOR: MARY CARROLL

10:20 a.m. / Yenely Payano Lora

Graphene aerogels as oil adsorbents

10:40 a.m. / Francis Fan

Additive Manufacturing of Silica with Rapid Supercritical Extraction

11:00 a.m. / Lauren Armstrong

Design of a Small Scale Hot Press for Making Aerogels

WOLD 225

Mechanical Engineering

MODERATOR: BILL KEAT

10:20 a.m. / Timothy Belin

Turbulent flow past a low-aspect-ratio finite wall-mounted cylinder at various degrees of upstream sheltering

10:40 a.m. / Aaron Rueter

Development of a Water Strider Inspired Robot

11:00 a.m. / Elias Valore-Caplan

Computer Assisted Design and Scale Modeling of Complex Curvature: Is This A Funicular Structure For Ants?



TEMPLETON INSTITUTE SPECIAL SESSION

11:30 a.m. – 12:30 p.m.

The Powers of Interdisciplinary Undergraduate Research

OLIN AUDITORIUM (OLIN 115)

The aim of this session is to showcase the values and benefits of cross-disciplinary research in undergraduate education. We will explore this topic in the context of Union's liberal arts model of education, which emphasizes the technical aspects and humanist aspects of interdisciplinarity in equal measure.

We will hear student perspectives on issues such as disability studies and archival research, the interface of environmental science and environmental engineering, and the historical reconstruction of mathematical techniques through computational methods. The participants have been selected by the Co-Directors of the Templeton Institute in partnership with Schaffer Library to showcase diverse views on interdisciplinary student research at the College.

This event brings together short (ten-minute) lightning talks on these topics, with roughly a half-hour discussion among panelists and with the audience. This special session will be introduced and moderated by our Steinmetz Day guest, Dr. D. Fox Harrell, Professor of Digital Media and Artificial Intelligence in the Comparative Media Studies Program and Computer Science and Artificial Intelligence Laboratory at the Massachusetts Institute of Technology (MIT). All are welcome to attend and join the conversation.

DR. D. FOX HARRELL (MIT), PANEL CHAIR AND MODERATOR

Gabriella Baratier

"Creating Accessible Pasts and Futures: Archival Representations and Public Memory of Disability at Union College"

Emmett Parkerson

"Geospatial Analysis of Wastewater Release Events in New York State: Developing Environmental Justice Indices"

Ziayan Omer

"In the Shadows of Samarkand: Persia's Lost Mathematicians"



THE UNION COLLEGE MUSIC DEPARTMENT

11:30 a.m. – 12:30 p.m.

MODERATOR: PROFESSOR JENNIFER MILIOTO MATSUE

Chamber Music Showcase

TAYLOR MUSIC CENTER EMERSON AUDITORIUM

Students will be performing live pieces or sharing digital recordings that they practiced and prepared as part of their academic pursuit of music.

UNION COLLEGE EARLY MUSIC ENSEMBLE

Daniel Barcomb '27
Thomas Breimer '25
Maya Mau '25
Aaron Rueter '25
Benjamin Visconti '28

SENIOR PROJECTS

John Hayes '25
Matthew Parr '25

FINAL CLASS PROJECT

Willow Melton '28
Alex Roginski '26

UNION COLLEGE JAZZ ENSEMBLE AND 2024'S HOLLANDER PRIZE WINNERS

Ben Pistiner '27
Ryder Mollo '26
Leo Weisberger '26

SCHOLAR'S PROJECT

Jack Foster '27

ZAKURO-DAIKO: THE UNION COLLEGE JAPANESE DRUMMING AND GLOBAL FUSION BAND

Pic Kerins '28
Patrik O'Brien '27
Grace Yutong Wu '25
Kristina Yuan '26
Lucas Zhang '27



SESSION IV

12:30 p.m. – 1:50 p.m. / Posters and Team Displays

SCHAFFER LIBRARY

POSTERS:

Humanities, Social Sciences, and Health Sciences

Zachary Anisman

Mastering a dish

Elaine Du

Fashioning 1940s China: A Dissection of Republican and Mao Era Chinese Dress

Patrick Allen

An analysis of Sallust's writing subject and style

Melanie Brody

Four Samples of Tragic Epic

Faith Burroughs

Behind the Court

Emma Kennedy

Queering the Classics

Kirsten Litchfield

Gods, Myth, and Metamorphosis: Unveiling Roman Society in Ovid's Metamorphoses

Jonathan Rust

The social economy of monetary prizes in ancient Greek athletics and the transition from amateurism to professionalism

Allyson Bennett

Do Events Increase Crime? An Examination of Events and Crime at Capital One Arena in Washington, DC

Richard Farina

Valuation of Lockheed Martin

Benjamin Jacobs

The Fed and the Market: Evaluating the Federal Reserve's Influence During Economic and Geopolitical Shocks

Samuel Judas

The Burden of Changing Food Consumption Patterns in Modern Diets on American Livers

Baruch-Haba Kiiza

Quantifying the Impact of Commodity Price Fluctuations on Commodity-Reliant Economies

Aiden Markoff

A Star-Driven League: Evaluating Factors of Superstardom in the National Basketball Association

Luke McVeigh

Housing Prices and Local Economic Development: The Effects of Recreational CRE Developments of Ski Resorts and Professional Sports Arenas

Liam Moran

Relationship between U.S. Monetary Policy and Capital Outflows from BRICS Nations

Ella Palmer

Pretty Privilege in a Post-Pandemic World: Has COVID-19 Reshaped the Beauty Premium?

James Partridge

Economic Policies and Foreign Direct Investment: A State-Level Analysis

Ablyay Aitkazy

The effectiveness of data visualization in optimizing the diversification of ETF portfolios

Hunter Zienowicz

US Presidential Betting Markets and the Taiwan Weighted Stock Index

Juhi Bhuwarka

Quiet vs. Loud Luxury: An Analysis of How Personal Confidence and Knowledge Shape Perceptions of Target's Confidence, Status and Subjective Well-Being

David Lennon

Solar Energy Expansion In New York State: Its Impacts on Agriculture and Rural Communities

Seth Prusko

Drinking Water Quality: Problems, Policies, and Response

Mehir Badlani, Arjun Bhatnagar and Yaseen Bhatti

Emerging Technology in Healthcare: Wearable Devices

SESSION IV

12:30 p.m. – 1:50 p.m. / Posters and Team Displays

Nadim Bazhod

The Impact of Plan Colombia: A Historical and Synthetic Control Approach

Allyson Bennett

My Argentina Mini Term Experience

Max Gluck

The Impact of Basel III Regulations and Commercial Real Estate Loan Concentrations on U.S. Bank Performance

Delaney Babcock

Obtaining, Retaining, and Reactivating Resident Care Volunteers at End-of-Life Residential Comfort Care Homes

Kyra Kelly, Phoebe Ferguson and Alexandra Knowles

Production Elements of Witch

Alexander Fleisher

MRI-guided high-intensity focused ultrasound thalamotomy for recurrent tremor: case series and retargeting with DTR deterministic tractography and computerized stereotactic atlases

Claire Kung

Contracts, Competition, and Care: Do Non-Compete Bans Improve Healthcare Access and Continuity?

WOLD ATRIUM

POSTERS:

Natural Sciences and Engineering I

Glauk Hizmo, Eduardo Castro and Abigail Ramsey

Observations of Eclipses of the Patroclus-Menoetius Binary Trojan

Kennedy Alexis and Abigail Bowman

The Synthesis and Biological Reactivity of Copper(ii) and Nickel(ii) Dimeric Metallo-Organic Complexes

Luisa Arizpe Sierra

Application of An Ethidium Bromide Displacement Assay to Observe the Interaction Between DNA and Oxazole-based Copper Complexes

Amy Gagliardi

Mutagenesis to Improve Protein Expression and Study Proteolytic Sites in Metacaspases

Winston Lee

Analyzing Bovine Serum Albumin with Dynamic Light Scattering

Khadija Amir

Understanding the role of sexual selection in speciation by studying the secondary sexual traits of the *Drosophila Melanogaster* species

Safa Ahmad

Investigating the Role of the G459V Glucocorticoid Receptor Variant in Metabolic Syndrome

Maya Corridore and Maryanne Fuentes

The spider hunger games: How prey hunger level affects predatory behavior in wolf spider

Adithi Chellappan

The Effect of Varying Temperatures on Metacaspase Yield in *Escherichia coli*

Shriya Biswas

Exploring Disparities in Metastatic Breast Cancer Treatment Timeliness

Jack Anderson, John Horvath and Jon Forbes

Design of a Mechanical Spine to Reduce Neck Strain During Prolonged Surgical Operations

Molly Bannon, Shayna Kantor and Tim McGarry

The Intranasal Cleaning Sheath: Streamlining Nasal Endoscopic Procedures

Ferneidy Dotel

In Search of Inquiry: Creating an Inquiry Based CHM-101 Laboratory Assignment to Improve Student Engagement

Tri Le

Dancing with Radicals: A Computational Investigation of the Vinyl + Nitrogen Dioxide Reaction

Khadija Amir

Optimizing the solid-phase synthesis of amphiphilic peptoid sequences for the assembly of gold embedded nanosheets

Nicholas DeBaise and Dylan Robichaud

Running and Deadlifting Form Analyzer Using Human Pose Estimation and Machine Learning

Muhammad Farooq Memon and Zuhair AlMassri

Cricket: Biomechanical Analysis of Fast Bowling in Cricket

SESSION IV

12:30 p.m. – 1:50 p.m. / Posters and Team Displays

Kshitij Agarwal

Brain-Computer Interfaces for Emotion Modulation:
A User-Centered Study on EEG-Based Mood Regulation

Kurtik Appadoo and Samuel Appleton

Testing Maximum Matching Solvers in d-Partite Graphs

Aydana Djoroeva

The Cuter, the Better: Baby Schema Effect Applied to
Screen-faced Robot

Simon Gray

Optimization of Animated Facial Feature Appearance
for VALERIE

Ramissa Khan

Studying the effects of interactive large screen visualizations
on mental health

Matthew Meek and Thomas Breimer

Controlling Soft Robots with Morphological Communication
and SNNs

Harmon Cleary

Node Graph Music Synthesis

Max Helfrich and Louis Rahilly

Mapping Chaos to Evaluate LPI Characteristics of
Radar Systems

Nora Kliczewski

Nitrogen and Salt Pollution in Connecticut Streams:
A Preliminary Study

Emma Garabedian

Pitching Training Aid

Hestia Doud

Exploring Freezing Conditions of Salt Water Solutions
Relevant to Icy Moons

John Horvath

Parametrization of Interactions in DNA Complexes for
Molecular Dynamics Simulation

Sriya Baru and Elizabeth Bentsianov

Investigating HPV Vaccine Hesitancy

Marcus Brem

Investigating the associations of parenting styles with
parent-child gaslighting

Trishikha Kiran Rao

Ego and academic ethics: Investigating the association
of narcissistic antagonism, agentic extraversion,
and neuroticism with academic entitlement and
academic dishonesty

Sara Harrow

The Theory of Virtuous Violence in the US and Brazil

Elaine Batts

Solence, Self-Portrait, & Ethervescence: A Creative Work
in Virtual Reality

Sophia Pappas

Hepatocyte Conditioned Media Promotes Endothelial
Fatty Acid Uptake

WOLD ATRIUM (LOWER LEVEL)

DISPLAYS:

Engineering Competition Team

Aero Team

Aaron Al-Marayati, Chase Bailey, Maeve Baksa,
Ella Boeckmann, Dylan Boyle, Maia Chapin,
Dang Duy Hung, Zev Deladingco, Strahlia Durr,
Zaid Fafouri, Nicholas Gellrich, Toby Gleason-Kaiser,
Alldyn Gotor, Weiheng He, Nguyen Ho, Michael Kahn,
Michael McShane, Papa Ndiaye, Juan Adriel Ortiz,
Nolan Randall, Aaron Rueter, Spencer Shaffer,
Leza Sorn, Michael York

Baja SAE

Elaine Batts, Christopher Bulmer, Jack Carey, Maia Chapin,
Harmon Cleary, Oliver D'Anna, Andrew Dariano,
David Fabian, Francis Fan, Nick Gellrich, Ryan Gilman,
Owen Hutchinson, Michael Kelleher, Katerina Kostova,
Joseph Landry, Casey Langschultz, Jamie Larkin,
Rathika Nair, Leo Pratt-Thomas, Elsie Paxton,
Cole Randall, Francesco Soccoli, Miles Teng-Levy,
Spencer Walter, Emma Watson, Sterling Wheeler,
Aden Yankwitt, Rain Zheng

Miles Teng-Levy

Designing a Rear Wheel / Four Wheel Clutch System for
the 2025 Union SAE Baja Car

SESSION IV

12:30 p.m. – 1:50 p.m. / Posters and Team Displays

ISEC ATRIUM

POSTERS:

Natural Sciences and Engineering II

Abigail Ramsey, Eduardo Castro and Glauk Hizmo

Lightcurve of Asteroid (1363) Herberta During its
2024 Apparition

Priya Patel and Sophia Pappas

Investigating Fatty Acid Uptake in Endothelial Cells Using a
3T3L1 Adipocyte Model

Rajveer Singh

Analysis of Gait Disturbances and Cerebellar Dysfunction
in a Spinocerebellar Ataxia-1 Mouse Model

Abigail Trzepla

Examining the Role of Fat-Related Proteins in Endothelial
Cell Fatty Acid Uptake

Michael Rocco O'Krepky, Melika Niakosari and Ria Vij

Kinetics Study of alkaline hydrolytic degradation of PET
Plastic bottle Waste into Useful Products

Vasilisa Palkova and Ria Vij

Chemical Recycling and Upcycling of Polylactic Acid
Mixed Plastic Waste

Michael Reikes

Synthesis of TADDOLs as Enantioselective Organocatalysts

Ewan Pavoni

Development of a library of annotated H-NMRs of
amino acids

Jeremy Perez

Performance Evaluation of Maximum Matching Algorithm
Implementations

Aavasna Rupakhetti

Comparing Facial Emotion Recognition Model Performance
Across Different Demographics

Krish Subedi and Aryan Mayor

Development of Low-Cost and Bidirectional Syringe
Pumps for Soft Robotics Applications

Kristen O'Shea

Differing Investment Strategies Among Single Individuals
and Heterosexual Couples, And What This Reveals
About Household Financial Decision-Making Dynamics

Mayra Morales and Austin Gregory

Remote Wildlife Tracker for Wolves

Andrea Olanescu and Christopher Brandreth

Deinonychus antirrhopus: A Union College's alum's
lasting legacy

Minh Phuc Nguyen and Trung Ngo

VANFIST: Versatile Autonomous Navigation for Flexible
Industrial and Strategic Tasks

Peter Schroder

Asymmetry Effects on Truncation Resonances in Acoustic
Metamaterials

Spencer Walter

Modal Analysis of a Toothpick Pattern Structure

Ahdaf Zaman

Modeling Inner Surface Electrostatics of the Capsid for DNA
Packaging of phi29

Nabeel Naqvi

Spiral Stellar Wind Bubbles

Sage Stinson

Overall Satisfaction and Belonging at Union College Through
Varying Fitness Environments

Maggie Weinstein and Elizabeth Bentsianov

Let's tok about s3x: Patterns and possibilities of utilizing
TikTok to improve LGBTQ+ sexual health

Samantha Rocco

Examining the Association Between Z-Drug Usage and Falls
in Hospice Patients

Brendan Long

Spatial Autocorrelation of Bone Material Stiffness and its
Implications on Skeletal Toughness



SESSION V

1:50 p.m. – 3:30 p.m. / Concurrent Oral Presentations

BAILEY 207

Mathematics & Statistics

MODERATOR: RYLAN GAJEK-LEONARD

1:50 p.m. / Grace Newcombe

An Audio Analysis of Elliptic Curves

2:10 p.m. / Abby Wilder

Measuring Transgender Health Disparities: The Impact of Gender-Inclusive Legislation on Health Status, Behaviors, and Healthcare Access”

2:30 p.m. / Audrey Benson

Lyapunov exponent for the products of random matrices related to an art collector model

2:50 p.m. / Janak Subedi

Evaluation of leading Machine Learning Models

3:10 p.m. / Atharv Tekurkar and Baibhav Barwal

Might You Wake Up and Find that Your Bank Has Collapsed?

ISEC 120

Biology I

MODERATOR: KATHRYN FELLER

1:50 p.m. / Quincy Brown

Eyes, Antennae, and Appendages: Defining the dimensions of the mantis shrimp “strike zone”

2:10 p.m. / Katherine-Jane Seymour

3(D) Strikes You’re Out! Investigating the Mantis Shrimp “Strike Zone”

2:30 p.m. / Dubem Okafor

Regulation of Metabolic Rate during Preceding Arousal Periods May Play a Part in the Variation, in Length, of Metabolic Depressions During Insect Dormancy

ISEC 124

Computer Engineering

MODERATOR: MICHAEL OKWORI

1:50 p.m. / Michael York and Michael Kahn

Autonomous Aircraft Navigation Control System with Machine Learning-Based Landing Target Detection

2:10 p.m. / Ashley Pontillo

IMU Strength Exercise Tracking System

2:30 p.m. / Ethan Bechtel

Battery Management System for the TurtleBot 3

KARP 001

Psychology II

MODERATOR: CAMERON KAY

1:50 p.m. / Malia Davis

Body Image and Identity: A Content Analysis of Queer and Heterosexual Representation on Instagram

2:10 p.m. / Rafaella Cassidy

The relationship between PTSD development and religious affiliation in service members and veterans who have seen active combat

2:30 p.m. / Mai Tran

Hikikomori and Internet Addiction in US College Students

2:50 p.m. / Marcus Brem

Investigating the associations of parenting styles with parent-child gaslighting

KARP 002

Philosophy

MODERATOR: KRISANNA SCHEITER

1:50 p.m. / Lily Horan

Human Rights and Capabilities: What Must A Society Guarantee?

2:10 p.m. / Riley Callahan

Essences and Time in Aristotle’s De Anima

2:30 p.m. / Ava Hubert

Active Intellect as the Unmoved Mover in Aristotle’s De Anima 3.5

2:50 p.m. / Nabeel Naqvi

Nous Poiêtikos

3:10 p.m. / Samuel Zuckerman

Doxa as a Type of Imitation in Plato’s Epistemology

SESSION V

1:50 p.m. – 3:30 p.m. / Concurrent Oral Presentations

KARP 006

Neuroscience II

MODERATOR: CAY ANDERSON-HANLEY

1:50 p.m. / Claire Snyder

Neuropsychological Assessment: Digital vs. Paper Comparability in Parkinson's Disease and College Students

2:10 p.m. / Aydana Djoroeva

Neuropsychological Effects of Green vs. Urban Virtual Scenery while Neuro-exergaming with iPACES

2:30 p.m. / Catherine Dacey

Neuropsychological effects and biomarkers after pedal-n-play iPACES: Tumor necrosis factor alpha (TNF- α) in dried blood spot samples (DBSS)

2:50 p.m. / Charlie Whiteford

The Cycle of Mental and Physical Health: Healthcare Experiences of Emerging Adults in Neurology Settings

3:10 p.m. / Katharine Roff

Investigating the Link Between Cortisol Related Gene Polymorphisms and Depression

KARP 105

Klemm Fellows II

MODERATOR: LARA ATKINS

1:50 p.m. / Vishaal Nayagam

Healing in the Andes: A Medical Internship in Peru

2:10 p.m. / Luke MacDonald

Tourism in Mongolia: Business Development Internship

2:30 p.m. / Eastwood Yeboah

Empowering Change: Lessons from My Tanzanian Human Rights Internship

LIPPMAN 016

Economics II

MODERATOR: PRATEEK ARORA

1:50 p.m. / Aavasna Rupakheti

Forecasting Inflation in the United States Using Machine Learning: A Disaggregated Approach by State

2:10 p.m. / Kurtik Appadoo

Arbitrage in the Crypto-currency market

2:30 p.m. / Andrew Lavin

The impact of Cyber Security Breaches on Corporate Bond Ratings

2:50 p.m. / Trevor Smick

Exploiting Downside Volatility: A Trading Strategy for Capturing Excess Returns from Intraday Price Reversals

3:10 p.m. / Jack Varner

Neoliberalism And The Rise Of The Asset Economy

LIPPMAN 017

Political Science II

MODERATOR: IBRAHIM OKER

1:50 p.m. / Anabel Sollinger

Dobbs, Race, and Gender: How Racialized Politics Shape the Reproductive Landscape for Women of Color

2:10 p.m. / Ryan Cudworth

Hydro-Hegemony and the Performance of Sovereignty in Israel-Palestine

2:30 p.m. / William Buchanan

Congress and Banks: The Impact of Federal Elections on Bank Stability

2:50 p.m. / Gisselle Hernandez

El Salvador & Guatemala: A Shared Past, Diverging Paths—A Look at Today's Political Leaders

SESSION V

1:50 p.m. – 3:30 p.m. / Concurrent Oral Presentations

OLIN 106

Electrical Engineering

MODERATOR: CHANDRA PAPPU

1:50 p.m. / Gabriella Acosta

An Automatic Electromechanical Front Wheel Locking System for a Rollator

2:10 p.m. / Jamie Larkin and Emma Watson

Union Baja SAE: Data Acquisition and Display System for Increased Vehicle Performance

2:30 p.m. / Rebecca Perkins and Samantha Scanlon

Improved Multiplex Chaos for Integrated Sensing and Communications (ISAC)

2:50 p.m. / Samantha Scanlon and Rebecca Perkins

Multiplexed Chaotic Waveforms for Joint Multistatic Radar and Communication (RadComm) Systems

OLIN 306

Watershed Science

MODERATOR: CARRIE RODAK

1:50 p.m. / Bayley Sbardellati

Spatial variability of groundwater arsenic and uranium across the US Great Plains: Geochemical and isotopic insights

2:10 p.m. / Michael McKenna

Prevalence of PFAS Contaminants in Surface & Groundwater in the Capital Region

2:30 p.m. / Vivian Tidd

Intruders in Our Waters: *Neogobius melanostomus* Environmental Impact and eDNA Presence in the Mohawk and Hudson River

2:50 p.m. / Emmett Parkerson

Geospatial Analysis of Wastewater Release Events in New York State: Developing Environmental Justice Indices Based on RRV Metrics

3:10 p.m. / Noah Fahey

The Effect of Road Salt on Benthic Macroinvertebrate Community Health: A Comparison of Vermont and New York Streams

WOLD 128

Biomedical Engineering

MODERATOR: STEPHANIE CURLEY

1:50 p.m. / Aaron Carretero Benites and Katherine Robinson

Impact of Stimulation Parameters and 3D Hydrogel Degradability on the Immunomodulatory Function of Encapsulated Human Mesenchymal Stromal Cells

2:10 p.m. / Cagla Numanoglu and Elizabeth Bias

Analysis of Potential Fusion Proteins for Outer Membrane Vesicle-Based Lyme Disease Vaccine

2:30 p.m. / Caroline Kelly, Sarah Muoio and Elisabeth Owens

Women's Health With Care: An Atraumatic Tenaculum for IUD Insertion

2:50 p.m. / David Krimer

Outer Surface Protein C (OspC) and RevA as antigen candidates for outer membrane vesicles-based vaccine against Lyme Disease

WOLD 225

Biochemistry

MODERATOR: COLLEEN CONNELLY

1:50 p.m. / Naomi Goldsmith

Investigating Correlation of Biomarkers in Individuals with Mild Cognitive Impairment

2:10 p.m. / Maya Jones and Sophie Matsoukas

Investigating The Role of Single Nucleotide Polymorphisms Associated With Cortisol Activity in Metabolic Syndrome and Post-Bariatric Surgery Weight Loss Success

2:30 p.m. / Alexander Erickson

Investigating the binding properties of copper-based chemotherapeutics to ribonucleic acids

2:50 p.m. / Paige Tromblee

Investigating the Biological Activity and Anticancer Properties of a Set of Copper(II) Complexes Containing Ethylenediamine Backbones

3:10 p.m. / Jake Karp

Characterization of *Schizophyllum commune* Metacaspase Autoproteolysis and Cleavage Sites Using LC-MS



SESSION VI

3:40 p.m. – 5:40 p.m. / Concurrent Oral Presentations

ISEC 120

Biology II

MODERATOR: LEO FLEISHMAN

3:40 p.m. / Samia Juarez-Castro

The Role of Stereopsis in Prey Capture: Binocular Depth Perception in Green Anoles (*Anolis carolinensis*)

4:00 p.m. / Nicholas Wright

Visual Ecology of Prey Capture in Bearded Dragons

4:20 p.m. / Sundee Kroyer

Kinetics of mitochondrial membrane potential and caspase activation in a reversible model of apoptosis in cultured mammalian T lymphocytes

4:40 p.m. / Katharine Bennett

Assessing the Impact of Secondary Sexual Traits on Sexual Selection in *Drosophila*

5:00 p.m. / Sinthia Xhabej

Investigating the Kinetics of Anastasis in HT2 Cells Following Camptothecin-Induced Apoptosis

ISEC 124

Environmental Chemistry

MODERATOR: LAURA MACMANUS-SPENCER

3:40 p.m. / Bennett Cooney

Skin Permeation of Sunscreen Active Ingredients

4:00 p.m. / Fuka Kanesaka

Photodegradation of Butylated Hydroxyanisole in Aqueous Solutions

4:20 p.m. / Caroline Monaco

Sorption of Per- and Polyfluoroalkyl Substances (PFAS) to Organic Material as an Environmental Remediation Strategy

4:40 p.m. / Linnea Tix

PFAS Uptake in Wheatgrass Microgreens

KARP 105

English I

MODERATOR: JUDITH LEWIN

3:40 p.m. / Olivia Bruursema

Enduring Ties: An Exploration into the Lives of Adult Siblings

4:00 p.m. / Patrick Mulready

The Best is the Least We Can Do

4:20 p.m. / Haydn Russell

We Shrugged: A Critical Analysis of Ayn Rand's *Magnum Opus*

4:40 p.m. / Aja Schiller

Little Creatures

5:00 p.m. / Kasey Walsh

Writing to Heal: An Approach to Love, Pain, and Voice

5:20 p.m. / Claire Braaten

White, Asian, and Everything in Between: A Memoir on Transracial Adoption

LIPPMAN 012

Economics III

MODERATOR: KAYWANA RAE BURN

3:40 p.m. / Dina Saef

The Impact of the Reverse of *Roe v. Wade* on Physical, General, and Mental Health for Women across the US

4:00 p.m. / Muhammad Hassan Aamir

Dedollarization measured through the rising influence of the Renminbi

4:20 p.m. / Fatima Javed

Colonial Legacies and Economic Development: A Comparative Study of Egypt and Pakistan

4:40 p.m. / Linh Nguyen

The Impact of Intellectual Property Rights on Trade Flows in Developing Countries: Regional Spillovers and Policy Trade-offs

SESSION VI

3:40 p.m. – 5:40 p.m. / Concurrent Oral Presentations

LIPPMAN 101

Political Science III

MODERATOR: SALIL BENGAL

3:40 p.m. / Andrew Jones

Felon Disenfranchisement within the state of Alabama

4:40 p.m. / Thanh Tung Nguyen

The rise of Chinese tech in face of US tech hegemony

4:20 p.m. / Gabriela Balakier

The Misalignment of NYC Specialized High Schools

4:40 p.m. / Jackson Maher

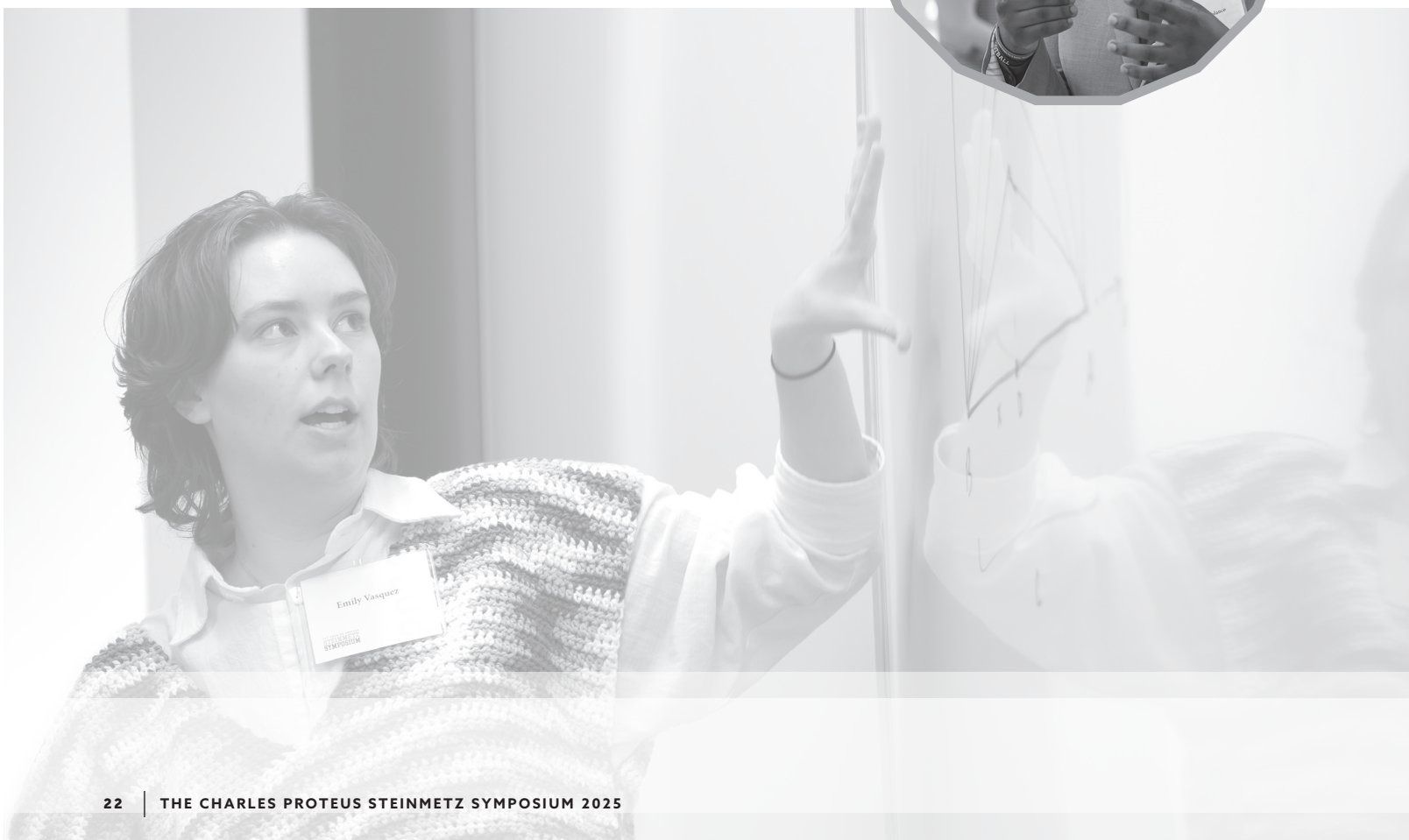
Resource Governance Strategies in the Lithium Triangle. A Comparison between Argentina, Bolivia, and Chile

5:00 p.m. / Ece Yenigun

The Criminalization of Migrant Solidarity: Immigration Policies and the Rise of the Far-Right in France

5:20 p.m. / Alexander Rosenberg

The Bureaucratic War Against China's Semiconductors



MARGARET SCHADLER



The Union community is mourning the death of Margaret Eleanor Horsfall Schadler, a resident of Niskayuna, N.Y., who made indelible contributions to the College during her time as a professor. She died April 18 at the age of 93.

Schadler, who earned a B.S. in biology from Cornell University in 1953 and worked in her field for the next several years, moved to Schenectady in 1957 with her husband, Harvey. Here they raised a family, and Schadler earned an M.S. and Ph.D. in biology from Union.

In addition to being an alumna, Schadler taught biology at Union for more than 25 years and served for many years as associate dean for undergraduate programs. In 1991, she helped establish one of the College's most beloved and important traditions—Steinmetz Symposium. Now in its 35th year, the day-long event has showcased the scholarly and creative works of countless students.

THE 2025 LOTHRIIDGE FESTIVAL OF DANCE

Friday, May 9 / 4:00 p.m. / Nott Memorial

DIRECTOR: PROFESSOR LAURIE ZABELE CAWLEY, INTERIM DIRECTOR OF DANCE

In collaboration with Hettie Barnhill, Visiting Assistant Professor, Claire Knecht '26, stage manager, Andrew Bodd, technical director; Brittney Belz, costume coordinator; and Victoria Rotondi and Charlie Jones, arts administrators.

ConnectedRhythm

Choreographed by Grace Newcombe

Music: Runaway Baby by Bruno Mars

Dancers: Jolita Brettler, Ava DuBoff, Livi Gwinnett, Anthony Montas, Grace Newcombe, Spencer Newman, Matthew Parr, Brian Rusk, Jennifer Vil, Abby Wilder

Gimme Gimme UCDT

Choreographed by Faith Burroughs and Caitlin LeSage

Music: Dancing Queen, Voulez-Vous, Gimme Gimme Gimme (A Man After Midnight) by ABBA

Dancers: Olivia Belfonti, Faith Burroughs, Sarah DeRosa, Delaney Duncan, Hailey Dunn, Paige Fox, Hannah Kimball, Caitlin LeSage, Anabel Sollinger, Sage Stinson, Anna Zusi

Keep Up

Choreographed by Grace Newcombe, Abby Wilder

Music: Too Much by Dove Cameron

Dancers: Riley Belkin, Ella Boeckmann, Maggie Buckley, Ferneidy Dotel, Ilana Goldner, Audrey Langlois, Grace Newcombe, Marielise Robillard, Abby Wilder

Baile Inolvidable

Choreographed by Dulce Barrios Lopez, Vivian Escobar, Miriam Rojo Gutierrez, Veronica Lopez, Jennifer Mendez

Music: Un Beso by Aventura, Baile Inolvidable by Bad Bunny, Tá OK by DENNIS & MC Kevin O Chris, Ojos Ferrari by Karol G, Rompe by Daddy Yankee

Dancers: Dulce Barrios Lopez, Ariela de la Villa, Raquel Dueñas, Vivian Escobar, Miriam Rojo Gutierrez, Jayce Jasso, Veronica Lopez, Naomi Martinez, Jennifer Mendez, Keidy Molina-Condo, Edgar Pastran, Natalie Pinto, Britny Quito, Merari Rios Tovar

Through The Chapters

Choreographed by Sage Stinson

Music: Like a Rolling Stone by Bob Dylan

Dancers: Faith Burroughs, Sarah DeRosa, Evelyn Jacobsen, Caitlin LeSage, Sage Stinson

Rise

Choreographed by Ishika Chourasia

Music: Anya Mmiri by Ckay and PinkPantheress, Bundle By Bundle by Burna Boy, and Petit génie by Jungeli, Imen Es, Alonzo, Abou Debeing, and Lossa

Dancers: Najma Abdi, Ishika Chourasia, Vivian Escobar, Jayce Jasso, Dulce Barrios Lopez, Veronica Lopez, Keshawn McClarence, Jennifer Mendez, Veronah Najjuuko, Alicia Rose, Sophia Steele, Jennifer Vil

It's Who We Are

Choreographer by Jolita Brettler

Music: Cold Call by Rachel Chinouriri

Dancers: Jolita Brettler, Ava DuBoff, Hailey Dunn, Claire Knecht, Keshawn McClarence, Anthony Montas, Morgan Napier, Grace Newcombe, Abby Wilder, Jennifer Vil

KAU Crew: K-Pop Steinmetz 2025 Medley

Choreographed by Pheary Kang, Vaishali Srinivasan, Aydana Djoroeva, Ririka Miyamoto, Paige Fox (Modified choreography by Ali Lee, Keone Madrid, Hyelim Yoon, Youngjun Choi, Jojo Gomez, MOTF, KOSUKE, We Dem Boyz, HuLK, Taehoon Na)

Music: Dope by BTS, Igloo by KISS OF LIFE, Super by SEVENTEEN, PTT (Paint The Town) by LOONA, LALALALA by Stray Kids

Dancers: Dulce Barrios Lopez, Ashlesha Bhagat, Aydana Djoroeva, Strahlia Durr, Vivian Escobar, Paige Fox, Alldyn Gotor, Pheary Kang, Ririka Miyamoto, Mika Odagiri, Hades Panlilio, Aavasna Rupakheti, Vaishali Srinivasan, Nhi Trieu, Ayanat Zhumagaliyeva

It Will Pay Off

Choreographed by Hettie Barnhill
(Additional Movement Creation by the Cast)

Music: Muted by Captain Joz

Additional Music and arrangement by Hettie Barnhill

Dancers: Jolita Brettler, Ishika Chourasia, Ava DuBoff, Kayla Martinez Cartagena, Ashlynn Luong, Keshawn McClarence, Anthony Montas, Grace Newcombe, Alicia Rose, Tremaine Richardson, Abby Wilder



“The Lothridge Dance Festival is more than a performance—it is a homecoming, a moment where the campus community converges to celebrate dance in all its forms. This event serves as a dynamic space for connection, curiosity, and artistic exchange, deepening our appreciation for both the power of movement and the individuals who bring it to life.” — LAURIE ZABELE CAWLEY

Penumbra

Choreographed by Laurie Zabele Cawley

Music: *The Mysterious Disappearance of Louis Prince* by Christian Erik Frederickson

Dancers: Sarah DeRosa, Ava DuBoff, Livi Gwinnett, Caitlin LeSage, Anthony Montás, Grace Newcombe, Anabel Sollinger, Sage Stinson, Emily Tobar, Abby Wilder

One Soul, One Body

Choreographed by Vaishali Srinivasan, Zayna Shaikh, Paige Fox, Nathan Ramachandran

Music: *Swimming Pools* by Kendrick Lamar, *Squabble Up* by Kendrick Lamar, and *7/11* by Beyonce

Mix by Vaishali Srinivasan

Dancers: Maggie Buckley, Daniel Buletza, Alekhya Buragadda, Ariela de la Villa Irizarry, Aydana Djoroeva, Strahlia Durr, Paige Fox, Karmen Gill, Alldyn Gotor, Pheary Kang, Anjalika Kumar, Audrey Langlois, Ashlynn Luong, Sree Manga, Kayla Martinez Cartagena, Stephanie Martinez, Ririka Miyamoto, Alisa Motiwala, Mika Odagiri, Natalie Pinto, Nathan Ramachandran, Aavasna Rupakheti, Zayna Shaikh, Jaxon Sosa-Jeanty, Vaishali Srinivasan, Nhi Trieu, Ayanat Zhumagaliyeva

Bhangra: One Last Time

Choreographed by Vaishali Srinivasan, Armaan Uppal, Sriya Baru, Sienna Chambial, Sujay Vundavalli

Music: Mix created by Vaishali Srinivasan utilizing remixes created by Pabla Mix, Jasmit Gill, and DholiHardo

Dancers: Sriya Baru, Juhi Bhulwalka, Alekhya Buragadda, Sienna Chambial, Anjalika Kumar, Sreehitha Manga, Maya Mitra, Shivani Modi, Snigdha Narayandas, Vaishali Srinivasan, Armaan Uppal, Sujay Vundavalli, Narayani Yogi

The Chain

Choreographed by Anabel Sollinger

Music: *The Chain* (originally by Fleetwood Mac), instrumental adaption by the Guitar Tribute Players

Dancers: Faith Burroughs, Paisley Parmenter, Anabel Sollinger, Anna Zusi

One Last Boogie

Choreographer by The Senior Dancers

Music: *Boogie Wonderland* by Earth, Wind & Fire, *The Emotions*

Dancers: Jolita Brettler, Faith Burroughs, Sarah DeRosa, Raquel Dueñas, Livi Gwinnett, Caitlin LeSage, Morgan Napier, Grace Newcombe, Anabel Sollinger, Sage Stinson, Vaishali Srinivasan, Abby Wilder

The Steinmetz dance performance is supported by a gift from Charles Lothridge in memory of his parents, William (Class 1879) and Anna. Other sponsors include Joan and David Henle '75; Sue and Dr. Gus Davis '59; and the Gail and Carl George Annual Fund.

2025 SPRING CONCERT

Friday, May 9 / 7:00 p.m. / Memorial Chapel

DIRECTOR: PROFESSOR JIN BYUN

Union College Schola Cantorum

Francesca Morone '26
Paisley Parmenter '27
Sarah Unger '26
Isobel Petersen '27
Faith Potter '25
Anna Kubick '27
Seona Chutaro '27
Cagla Numanoglu '26
Aaron Rueter '25
Spencer Newman '25
Daniel Buletza '26
Evan Schieren '28
Jared Antoine '26
Otto Hillegass '28
Andrew Davis '28
Alldyn Gotoro '28
Dennis Moraga '27

Union College Concert Choir

Francesca Morone '26
Grace Kaiser '27
Anna Kubick '27
Sarah Unger '26
Paisley Parmenter '27
Mollyjane Boyle '26
Eloise Kelen '28
Riana Kelley '26
Isobel Petersen '27
Cagla Numanoglu '26
Faith Potter '25
Madeleine Pilkington '27
Seona Chutaro '27
Adrianna Miles '28
Eri Matsuoka '27
Niha Das '26
Adia Isaacson '27
Mia Vatanapradit '27
Aaron Rueter '25
Spencer Newman '25
Elias Acevedo '27
Evan Schieren '28
Daniel Buletza '26
Caleb Hill '28
Chase Nelson '28
Jared Antoine '26
Otto Hillegass '28
Jaxon Sosa-Jeanty '28
Dennis Moraga '27
Andrew Davis '28
Holden Talluto-Hiris '28
Alldyn Gotoro '28

Union College & Community Orchestra

Francesco P. Ciaramitaro
Oliver J. D'Anna
Dorothea M. DeMarle
Margaret E. DeMarle
Nora R. Edouarzin
Nathaniel R. Goldstein
Skye Hall
Theophilus C. Henle
Otto M. Hillegass
Elena A. Leslie
Jennifer D. Lopez
Maya X. Mau
Ella B. Middlebrook
Patrik A. O'Brien
Aidan C. Rittgers
Aaron C. Rittgers
Evan M. Schieren
Grace J. Schultz
Lily A. Schwarcz
Kassandra L. Smeltzer
Holden Talluto-Hiris
Mukundan Thanigaivelan
Christopher R. Tompkins
Benjamin L. Tompkins
Kristina P. Yuan

UNION COLLEGE JAZZ ENSEMBLE STEINMETZ CONCERT

Saturday, May 10 / 11:00 a.m. / Emerson Auditorium, Taylor Music Center

DIRECTOR: PROFESSOR TIM OLSEN



Ensemble Members

CLARINET

Jonathan Deitchman '27
Shannon McGrath '26

SAXOPHONE

Ethan Lampert '22
Angelina Martinelli '28

TRUMPET

Ian Petrat '25
Tyler Weissinger '25

TROMBONE

Oliver D'Anna '26
Sammy Fenigstein '28
Evan Schieren '28
Chris Tompkins '27

PIANO

Ryder Mollo '26
Zion Schlusser '28

GUITAR

Baibhav Barwal '25
Aarón Carretero Benites '25
Shiqi Wang '26

BASS

Sam Dickinson '27
Owen Santora '26
Leo Weisberger '26

DRUMSET/PERCUSSION

Francesco Ciaramitaro '28
Ben Pistiner '27
Grace Schultz '28

VOCALS

Sofia DeCola '26
Georgia Keleki '27
Rosalind Lampert '26
Adrienne Long '28
Adrianna Miles '28
Evan Schieren '28
Chris Tompkins '27



POSTERS AND TEAM DISPLAYS

Aavasna Rupakheti	ISEC Atrium
Abigail Bowman	Wold Atrium
Abigail Ramsey	Wold Atrium
Abigail Ramsey	ISEC Atrium
Abigail Trzepla	ISEC Atrium
Abylay Aitkazy	Schaffer Library
Adithi Chellappan	Wold Atrium
Ahdaf Zaman	ISEC Atrium
Aiden Markoff	Schaffer Library
Alexander Fleisher	Schaffer Library
Alexandra Knowles	Schaffer Library
Allyson Bennett	Schaffer Library
Amy Gagliardi	Wold Atrium
Andrea Olanescu	ISEC Atrium
Arjun Bhatnagar	Schaffer Library
Aryan Mayor	ISEC Atrium
Austin Gregory	ISEC Atrium
Aydana Djoroeva	Wold Atrium
Baruch-Haba Kiiza	Schaffer Library
Benjamin Jacobs	Schaffer Library
Brendan Long	ISEC Atrium
Christopher Brandreth	ISEC Atrium
Claire Kung	Schaffer Library
David Lennon	Schaffer Library
Delaney Babcock	Schaffer Library
Dylan Robichaud	Wold Atrium
Eduardo Castro	Wold Atrium
Eduardo Castro	ISEC Atrium
Elaine Batts	Wold Atrium
Elaine Du	Schaffer Library
Elizabeth Bentsianov	Wold Atrium
Elizabeth Bentsianov	ISEC Atrium
Ella Palmer	Schaffer Library
Emma Garabedian	Wold Atrium
Emma Kennedy	Schaffer Library
Ewan Pavoni	ISEC Atrium
Faith Burroughs	Schaffer Library
Ferneidy Dotel	Wold Atrium
Glauk Hizmo	Wold Atrium
Glauk Hizmo	ISEC Atrium
Harmon Cleary	Wold Atrium
Hestia Doud	Wold Atrium
Hoang Tran	ISEC Atrium
Hunter Zienowicz	Schaffer Library
Jack Anderson	Wold Atrium
James Partridge	Schaffer Library
Jeremy Perez	ISEC Atrium
John Horvath	Wold Atrium
Jon Forbes	Wold Atrium
Jonathan Rust	Schaffer Library
Juhi Bhuwalka	Schaffer Library
Kennedy Alexis	Wold Atrium
Khadija Amir	Wold Atrium
Kirsten Litchfield	Schaffer Library
Krish Subedi	ISEC Atrium
Kristen O'Shea	ISEC Atrium
Kshitij Agarwal	Wold Atrium
Kurtik Appadoo	Wold Atrium
Kyra Kelly	Schaffer Library
Liam Moran	Schaffer Library
Louis Rahilly	Wold Atrium
Luisa Arizpe Sierra	Wold Atrium
Luke McVeigh	Schaffer Library
Maggie Weinstein	ISEC Atrium
Maia Chapin	Wold Atrium
Marcus Brem	Wold Atrium
Maryann Fuentes	Wold Atrium
Matthew Meek	Wold Atrium
Max Gluck	Schaffer Library

Max Helfrich	Wold Atrium
Maya Corridore	Wold Atrium
Mayra Morales	ISEC Atrium
Mehir Badlani	Schaffer Library
Melanie Brody	Schaffer Library
Melika Niakosari	ISEC Atrium
Michael Reikes	ISEC Atrium
Michael Rocco O'Krepky	ISEC Atrium
Miles Teng-Levy	Wold Atrium
Minh Phuc Nguyen	ISEC Atrium
Molly Bannon	Wold Atrium
Muhammad Farooq Memon	Wold Atrium
Nabeel Naqvi	ISEC Atrium
Nadim Bazhod	Schaffer Library
Nicholas DeBaise	Wold Atrium
Nora Kliczewski	Wold Atrium
Oliver D'Anna	Wold Atrium
Patrick Allen	Schaffer Library
Peter Schroder	ISEC Atrium
Phoebe Ferguson	Schaffer Library
Priya Patel	ISEC Atrium
Rajveer Singh	ISEC Atrium
Ramissa Khan	Wold Atrium
Ria Vij	ISEC Atrium
Richard Farina	Schaffer Library
Safa Ahmad	Wold Atrium
Sage Stinson	ISEC Atrium
Samantha Rocco	ISEC Atrium
Samuel Appleton	Wold Atrium
Samuel Judas	Schaffer Library
Sara Harrow	Wold Atrium
Seth Prusko	Schaffer Library
Shayna Kantor	Wold Atrium
Shriya Biswas	Wold Atrium
Simon Gray	Wold Atrium
Sophia Pappas	ISEC Atrium
Sophia Pappas	Wold Atrium
Spencer Walter	ISEC Atrium
Sriya Baru	Wold Atrium
Thomas Breimer	Wold Atrium
Tim McGarry	Wold Atrium
Tri Le	Wold Atrium
Trishikha Kiran Rao	Wold Atrium
Trung Ngo	ISEC Atrium
Vasilisa Palkova	ISEC Atrium
Winston Lee	Wold Atrium
Yaseen Bhatti	Schaffer Library
Zachary Anisman	Schaffer Library
Zuhair AlMassri	Wold Atrium

CONCURRENT ORAL PRESENTATIONS

Aarón Carretero Benites	1:50 p.m.	Wold 128
Aaron Rueter	10:40 a.m.	Wold 225
Aavasna Rupakheti	1:50 p.m.	Lippman 016
Abby Wilder	9:30 a.m.	Lippman 012
Abby Wilder	2:10 p.m.	Bailey 207
Abigail Bowman	10:40 a.m.	ISEC 124
Aja Schiller	4:40 p.m.	Karp 105
Alex Roginski	10:40 a.m.	Karp 105
Alexander Erickson	2:30 p.m.	Wold 225
Alexander Forsyth	8:30 a.m.	Olin 306
Alexander Rosenberg	5:20 p.m.	Lippman 101
Aliyah Hoffman	10:20 a.m.	Karp 105
Ambrose Proctor	10:40 a.m.	Karp 103
Anabel Sollinger	1:50 p.m.	Lippman 017
Ananya Gupta	9:10 a.m.	Lippman 016
Andrea Kaufer	11:00 a.m.	Olin 306
Andrew Jones	3:40 p.m.	Lippman 101
Andrew Lavin	2:30 p.m.	Lippman 016

Andrew Mitchell	8:30 a.m.	Olin 106	Honora Hillery	8:50 a.m.	Karp 105
Anna Nickman	8:50 a.m.	Lippman 016	Isabella Conte	9:30 a.m.	Olin 106
Anthony Clement	8:50 a.m.	Olin 106	Ishika Chourasia	10:20 a.m.	ISEC 124
Anthony Condemni	9:30 a.m.	ISEC 124	Ishita Khambete	9:50 a.m.	Olin 306
Anthony Montás	9:10 a.m.	Karp 002	Jack Varner	3:10 p.m.	Lippman 016
Ariana Rogowski	9:10 a.m.	Karp 103	Jackson Maher	4:40 p.m.	Lippman 101
Aryan Mayor	11:00 a.m.	Olin 106	Jake Karp	3:10 p.m.	Wold 225
Ashlesha Bhagat	10:20 a.m.	Olin 106	Jamie Larkin	2:10 p.m.	Olin 106
Ashley Cirilla	8:50 a.m.	VART 204	Janak Subedi	2:50 p.m.	Bailey 207
Ashley Pontillo	2:10 p.m.	ISEC 124	Jayson Bromberg	10:40 a.m.	ISEC 120
Atharv Tekurkar	3:10 p.m.	Bailey 207	Jennifer Mendez	8:30 a.m.	Karp 103
Atticus Bennett Cooper	8:50 a.m.	Karp 103	Jordan Whittier	9:30 a.m.	Karp 001
Audrey Benson	2:30 p.m.	Bailey 207	Karly Willson	9:30 a.m.	Lippman 014
Ava Hubert	2:30 p.m.	Karp 002	Kasey Walsh	5:00 p.m.	Karp 105
Aydana Djoroeva	2:10 p.m.	Karp 006	Katharine Bennett	4:40 p.m.	ISEC 120
Aylin Ergun	9:30 a.m.	VART 204	Katharine Roff	3:10 p.m.	Karp 006
Baibhav Barwal	3:10 p.m.	Bailey 207	Katherine Robinson	1:50 p.m.	Wold 128
Bayley Sbardellati	1:50 p.m.	Olin 306	Katherine-Jane Seymour	2:10 p.m.	ISEC 120
Bennett Cooney	3:40 p.m.	ISEC 124	Katie Gibbons	8:30 a.m.	Lippman 014
Beverly Yauri	8:30 a.m.	Karp 006	Keith Lawless	10:40 a.m.	Olin 306
Brendan Cullen	10:40 a.m.	Lippman 012	Khai Thu Pham	9:50 a.m.	ISEC 124
Brian Rusk	10:20 a.m.	Lippman 101	Kirsten Litchfield	10:20 a.m.	Olin 306
C'Lannye James	9:10 a.m.	ISEC 124	Komila Dustbabayeva	9:10 a.m.	ISEC 120
Cagla Numanoglu	2:10 p.m.	Wold 128	Kurtik Appadoo	2:10 p.m.	Lippman 016
Caitlin LeSage	2:10 p.m.	Lippman 017	Lauren Armstrong	11:00 a.m.	Wold 128
Caroline Kelly	2:30 p.m.	Wold 128	Lili Wang	9:50 a.m.	VART 204
Caroline Monaco	8:50 a.m.	Karp 006	Lilian Ruggieri	10:20 a.m.	Lippman 101
Caroline Monaco	4:20 p.m.	ISEC 124	Lily Horan	1:50 p.m.	Karp 002
Catherine Dacey	2:30 p.m.	Karp 006	Lily van Baaren	9:10 a.m.	VART 204
Catherine Lapham	11:00 a.m.	Lippman 012	Linh Nguyen	4:40 p.m.	Lippman 012
Charlie Whiteford	2:50 p.m.	Karp 006	Linnea Tix	4:40 p.m.	ISEC 124
Chisom Uchendu	10:40 a.m.	Lippman 016	Lora Condon	9:10 a.m.	Karp 002
Christopher Brandreth	9:30 a.m.	Olin 306	Louis Savarino	11:20 a.m.	Olin 306
Claire Braaten	5:20 p.m.	Karp 105	Luke MacDonald	2:10 p.m.	Karp 105
Claire Snyder	1:50 p.m.	Karp 006	Madeleine Beaule	8:50 a.m.	ISEC 120
Connor Cavanaugh	8:50 a.m.	Lippman 014	Mai Tran	2:30 p.m.	Karp 001
Daniel Singer	8:50 a.m.	Wold 128	Malia Davis	1:50 p.m.	Karp 001
Daniela Aleman Perez	9:50 a.m.	Olin 106	Marcus Brem	2:50 p.m.	Karp 001
David Krimer	2:50 p.m.	Wold 128	Marissa Gnitzcavich	8:30 a.m.	Karp 001
Devin Ramos	11:00 a.m.	ISEC 120	Mary Kelley	8:50 a.m.	Lippman 012
Dina Saef	3:40 p.m.	Lippman 012	Matthew Connolly	10:20 a.m.	Lippman 012
Dubem Okafor	2:30 p.m.	ISEC 120	Maya Jones	2:10 p.m.	Wold 225
Eastwood Yeboah	2:30 p.m.	Karp 105	Melody Kappel	8:50 a.m.	Olin 306
Ece Yenigun	9:10 a.m.	Karp 006	Merz Kuhn	10:10 a.m.	VART 204
Ece Yenigun	5:00 p.m.	Lippman 101	Michael Kahn	1:50 p.m.	ISEC 124
Eduardo Castro	10:20 a.m.	ISEC 120	Michael McKenna	2:10 p.m.	Olin 306
Elias Valore-Caplan	11:00 a.m.	Wold 225	Michael Stanco	8:30 a.m.	Lippman 017
Elissa Frederique	10:20 a.m.	Karp 103	Michael York	1:50 p.m.	ISEC 124
Elizabeth Bias	2:10 p.m.	Wold 128	Minh Phuc Nguyen	10:40 a.m.	Olin 106
Elizabeth Owens	2:30 p.m.	Wold 128	Miranda Bossi	9:30 a.m.	Karp 105
Elsa Dorrance	9:10 a.m.	Karp 002	Mitchell Ashton	8:50 a.m.	Karp 002
Emma Watson	2:10 p.m.	Olin 106	Mridula Shanker	9:10 a.m.	Karp 001
Emmett Parkerson	11:30 a.m.	Olin 115	Muhammad Hassan Aamir	4:00 p.m.	Lippman 012
Emmett Parkerson	2:50 p.m.	Olin 306	Nabeel Naqvi	2:50 p.m.	Karp 002
Ethan Bechtel	2:30 p.m.	ISEC 124	Naomi Goldsmith	1:50 p.m.	Wold 225
Ethan Silverman	9:30 a.m.	Karp 103	Nicholas Wright	4:00 p.m.	ISEC 120
Fatima Javed	4:20 p.m.	Lippman 012	Nickky Obi	9:30 a.m.	Karp 002
Francis Fan	10:40 a.m.	Wold 128	Noah Fahey	3:10 p.m.	Olin 306
Fuka Kanesaka	4:00 p.m.	ISEC 124	Nolan Randall	8:30 a.m.	Wold 128
Gabriela Balakier	4:20 p.m.	Lippman 101	Olivia Bowser	8:30 a.m.	Lippman 012
Gabriella Acosta	1:50 p.m.	Olin 106	Olivia Bruursema	3:40 p.m.	Karp 105
Gabriella Baratier	11:30 a.m.	Olin 115	Owen Smith	11:00 a.m.	ISEC 124
Gabriella Gatto	8:30 a.m.	Karp 002	Paige Tromblee	2:50 p.m.	Wold 225
Gabrielle Baker	8:50 a.m.	Lippman 017	Patrick Jotz	9:50 a.m.	Lippman 017
Gaku Iwata	9:10 a.m.	Karp 105	Patrick Mulready	4:00 p.m.	Karp 105
Georgianna Rankin	9:10 a.m.	Olin 306	Quincy Brown	1:50 p.m.	ISEC 120
Gisselle Hernandez	3:10 p.m.	Lippman 017	Rafaella Cassidy	2:10 p.m.	Karp 001
Grace Canepari	9:30 a.m.	Lippman 016	Raquel Dueñas	8:30 a.m.	ISEC 124
Grace Newcombe	1:50 p.m.	Bailey 207	Rebecca Folse	9:30 a.m.	Karp 006
Hannah Casalena	8:50 a.m.	Karp 001	Rebecca Gerdis	9:10 a.m.	Lippman 012
Haydn Russell	4:20 p.m.	Karp 105	Rebecca Perkins	2:30 p.m.	Olin 106

Rebecca Perkins	2:50 p.m.	Olin 106	Ambrose Proctor	9:00 a.m.	Feigenbaum Center for Visual Arts
Rhiannon Sobetzko	11:00 a.m.	Karp 103	Anabel Sollinger	4:00 p.m.	Nott Memorial
Riley Callahan	9:30 a.m.	Lippman 017	Anayat Zhumagaliyeva	9:00 a.m.	Feigenbaum Center for Visual Arts
Riley Callahan	2:10 p.m.	Karp 002	Andrew Davis	7:00 p.m.	Memorial Chapel
Ryan Cudworth	2:30 p.m.	Lippman 017	Angelina Martinelli	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Sadie Hill	8:30 a.m.	VART 204	Anjalika Kumar	4:00 p.m.	Nott Memorial
Samantha Scanlon	2:30 p.m.	Olin 106	Anna Kubick	7:00 p.m.	Memorial Chapel
Samantha Scanlon	2:50 p.m.	Olin 106	Anna Nickman	9:00 a.m.	Feigenbaum Center for Visual Arts
Samia Juarez-Castro	3:40 p.m.	ISEC 120	Anna Zusi	4:00 p.m.	Nott Memorial
Samuel Zuckerman	3:10 p.m.	Karp 002	Anthony Montás	4:00 p.m.	Nott Memorial
Sarah DeRosa	8:30 a.m.	ISEC 120	Ariela de la Villa Irizarry	9:00 a.m.	Feigenbaum Center for Visual Arts
Sarah Muoio	2:30 p.m.	Wold 128	Ariela de la Villa Irizarry	4:00 p.m.	Nott Memorial
Sasha Stark	8:50 a.m.	ISEC 124	Armaan Uppal	4:00 p.m.	Nott Memorial
Sathvik Narayana	8:30 a.m.	Lippman 016	Ashlesha Bhagat	4:00 p.m.	Nott Memorial
Seona Chutaro	11:00 a.m.	Karp 105	Ashlynn Luong	4:00 p.m.	Nott Memorial
Shaelyn Kelley	9:10 a.m.	Lippman 014	Audrey Langlois	4:00 p.m.	Nott Memorial
Shams Qureshi	9:50 a.m.	ISEC 124	Ava DuBoff	4:00 p.m.	Nott Memorial
Sienna Dunham	9:50 a.m.	Wold 128	Ayanat Zhumagaliyeva	4:00 p.m.	Nott Memorial
Sinthia Xhabej	5:00 p.m.	ISEC 120	Aydana Djoroeva	4:00 p.m.	Nott Memorial
Sophia Pappas	9:10 a.m.	Wold 128	Baibhav Barwal	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Sophie Kilpatrick	9:10 a.m.	Olin 106	Beatriz Silva de Almeida	9:00 a.m.	Feigenbaum Center for Visual Arts
Sophie Matsoukas	2:10 p.m.	Wold 225	Ben Pistiner	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Sophie Mullen	11:00 a.m.	Lippman 016	Ben Pistiner	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Spencer Newman	10:20 a.m.	Lippman 101	Ben Stern	9:00 a.m.	Feigenbaum Center for Visual Arts
Sriya Baru	8:30 a.m.	Karp 105	Benjamin Visconti	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Sundee Kroyer	4:20 p.m.	ISEC 120	Benjamin Visconti	7:00 p.m.	Memorial Chapel
Tatum Perkins	9:10 a.m.	Lippman 017	Brian Rusk	4:00 p.m.	Nott Memorial
Teagan Shay	9:30 a.m.	ISEC 120	Britny Quito	4:00 p.m.	Nott Memorial
Thanh Tung Nguyen	4:00 p.m.	Lippman 101	Bryan Nunez	9:00 a.m.	Feigenbaum Center for Visual Arts
Timothy Belin	10:20 a.m.	Wold 225	Cagla Numanoglu	7:00 p.m.	Memorial Chapel
Trevor Smick	2:50 p.m.	Lippman 016	Caitlin Lee	9:00 a.m.	Feigenbaum Center for Visual Arts
Trevor Smick	9:50 a.m.	Karp 105	Caitlin LeSage	4:00 p.m.	Nott Memorial
Trishikha Kiran Rao	9:30 a.m.	Wold 128	Caleb Hill	7:00 p.m.	Memorial Chapel
Viraj Brahmabhatt	9:50 a.m.	Lippman 016	Cami Carino	9:00 a.m.	Feigenbaum Center for Visual Arts
Vishaal Nayagam	1:50 p.m.	Karp 105	Caroline Werner	9:00 a.m.	Feigenbaum Center for Visual Arts
Vivian Tidd	2:30 p.m.	Olin 306	Ceci Snyder	9:00 a.m.	Feigenbaum Center for Visual Arts
Wellington Matos	10:20 a.m.	Lippman 016	Chase Nelson	7:00 p.m.	Memorial Chapel
William Buchanan	2:50 p.m.	Lippman 017	Chloe Matthew	9:00 a.m.	Feigenbaum Center for Visual Arts
Yenely Payano Lora	10:20 a.m.	Wold 128	Chloe Rapant	9:00 a.m.	Feigenbaum Center for Visual Arts
Ziayan Omer	11:30 a.m.	Olin 115	Chris Tompkins	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium

PERFORMANCES AND ART DISPLAYS

Aarón Carretero Benites	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Aaron Rueter	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Aaron Rueter	7:00 p.m.	Memorial Chapel
Aavasna Rupakheti	4:00 p.m.	Nott Memorial
Abby Trzepla	9:00 a.m.	Feigenbaum Center for Visual Arts
Abby Wilder	4:00 p.m.	Nott Memorial
Adia Isaacson	7:00 p.m.	Memorial Chapel
Adrianna Miles	7:00 p.m.	Memorial Chapel
Adrianna Miles	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Adrienne Long	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Aidan Rittgers	7:00 p.m.	Memorial Chapel
Alekhya Buragadda	4:00 p.m.	Nott Memorial
Alex Roginski	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Alexis Lawton-Lewis	9:00 a.m.	Feigenbaum Center for Visual Arts
Alicia Rose	4:00 p.m.	Nott Memorial
Alisa Motiwala	4:00 p.m.	Nott Memorial
Alldyn Gotora	4:00 p.m.	Nott Memorial
Alldyn Gotora	7:00 p.m.	Memorial Chapel
Allisa Tsay	9:00 a.m.	Feigenbaum Center for Visual Arts

Daniel Barcomb	11:30 a.m.	Taylor Music Center, Emerson Auditorium	Jane Schreiner	9:00 a.m.	Feigenbaum Center for Visual Arts
Daniel Buletza	4:00 p.m.	Nott Memorial	Jared Antoine	7:00 p.m.	Memorial Chapel
Daniel Buletza	7:00 p.m.	Memorial Chapel	Jaxon Sosa-Jeanty	4:00 p.m.	Nott Memorial
Delaney Duncan	4:00 p.m.	Nott Memorial	Jaxon Sosa-Jeanty	7:00 p.m.	Memorial Chapel
Dennis Moraga	7:00 p.m.	Memorial Chapel	Jayce Jasso	4:00 p.m.	Nott Memorial
Devon Hardy	9:00 a.m.	Feigenbaum Center for Visual Arts	Jayson Bromberg	9:00 a.m.	Feigenbaum Center for Visual Arts
Dorothea DeMarle	7:00 p.m.	Memorial Chapel	Jenna Paszek	9:00 a.m.	Feigenbaum Center for Visual Arts
Dulce Barrios Lopez	4:00 p.m.	Nott Memorial	Jennifer Lopez	7:00 p.m.	Memorial Chapel
Edgar Pastran	4:00 p.m.	Nott Memorial	Jennifer Mendez	4:00 p.m.	Nott Memorial
Elena Leslie	7:00 p.m.	Memorial Chapel	Jennifer Vil	4:00 p.m.	Nott Memorial
Elias Acevedo	7:00 p.m.	Memorial Chapel	John Hayes	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Ella Boeckmann	4:00 p.m.	Nott Memorial	Jolita Brettler	4:00 p.m.	Nott Memorial
Ella Gillespie	9:00 a.m.	Feigenbaum Center for Visual Arts	Jonathan Deitchman	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Ella Middlebrook	7:00 p.m.	Memorial Chapel	Jonathan Fischman	9:00 a.m.	Feigenbaum Center for Visual Arts
Ella Swanson	9:00 a.m.	Feigenbaum Center for Visual Arts	Jordan Whittier	9:00 a.m.	Feigenbaum Center for Visual Arts
Eloise Kelen	7:00 p.m.	Memorial Chapel	Juan Ortiz	9:00 a.m.	Feigenbaum Center for Visual Arts
Emily Tobar	4:00 p.m.	Nott Memorial	Juhi Bhulwarka	4:00 p.m.	Nott Memorial
Eri Matsuoka	7:00 p.m.	Memorial Chapel	Juliette Richenthal	9:00 a.m.	Feigenbaum Center for Visual Arts
Ethan Harrison	9:00 a.m.	Feigenbaum Center for Visual Arts	Karmen Gill	4:00 p.m.	Nott Memorial
Ethan Lampert	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Kassandra Smeltzer	7:00 p.m.	Memorial Chapel
Evan Schieren	7:00 p.m.	Memorial Chapel	Kayla Martinez Cartagena	4:00 p.m.	Nott Memorial
Evan Schieren	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Keidy Molina-Condo	4:00 p.m.	Nott Memorial
Evelyn Jacobsen	9:00 a.m.	Feigenbaum Center for Visual Arts	Keshawn McClarence	4:00 p.m.	Nott Memorial
Evelyn Jacobsen	4:00 p.m.	Nott Memorial	Kristina Yuan	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Faith Burroughs	4:00 p.m.	Nott Memorial	Kristina Yuan	7:00 p.m.	Memorial Chapel
Faith Potter	7:00 p.m.	Memorial Chapel	Lauren Czubek	9:00 a.m.	Feigenbaum Center for Visual Arts
Ferneidy Dotel	4:00 p.m.	Nott Memorial	Leo Weisberger	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Francesca Morone	7:00 p.m.	Memorial Chapel	Leo Weisberger	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Francesco Ciaramitaro	7:00 p.m.	Memorial Chapel	Lia Nichols	9:00 a.m.	Feigenbaum Center for Visual Arts
Francesco Ciaramitaro	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Lily Schwarcz	7:00 p.m.	Memorial Chapel
Gabriela Balakier	9:00 a.m.	Feigenbaum Center for Visual Arts	Lily Valverde	9:00 a.m.	Feigenbaum Center for Visual Arts
Georgia Keleki	(Sat) 11:00 a.m.	Taylor Music Center, Emerson Auditorium	Lily van Baaren	9:00 a.m.	Feigenbaum Center for Visual Arts
Grace Kaiser	7:00 p.m.	Memorial Chapel	Livi Gwinnett	4:00 p.m.	Nott Memorial
Grace Newcombe	4:00 p.m.	Nott Memorial	Lucas Zhang	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Grace Schultz	7:00 p.m.	Memorial Chapel	Luke Radar	9:00 a.m.	Feigenbaum Center for Visual Arts
Grace Schultz	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Maddie McCarron	9:00 a.m.	Feigenbaum Center for Visual Arts
Grace Yutong Wu	11:30 a.m.	Taylor Music Center, Emerson Auditorium	Madeleine Pilkington	7:00 p.m.	Memorial Chapel
Hades Panlilio	4:00 p.m.	Nott Memorial	Maggie Buckley	4:00 p.m.	Nott Memorial
Hailey Dunn	4:00 p.m.	Nott Memorial	Maia West	9:00 a.m.	Feigenbaum Center for Visual Arts
Hannah Kimball	4:00 p.m.	Nott Memorial	Margaret DeMarle	7:00 p.m.	Memorial Chapel
Harmon Cleary	9:00 a.m.	Feigenbaum Center for Visual Arts	Marielise Robillard	4:00 p.m.	Nott Memorial
Holden Talluto-Hiris	7:00 p.m.	Memorial Chapel	Matthew Parr	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Ian Petrat	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Matthew Parr	4:00 p.m.	Nott Memorial
Ilana Goldner	4:00 p.m.	Nott Memorial	Maya Dow	9:00 a.m.	Feigenbaum Center for Visual Arts
Isaac Levey	9:00 a.m.	Feigenbaum Center for Visual Arts	Maya Mau	11:30 a.m.	Taylor Music Center, Emerson Auditorium
Ishika Chourasia	4:00 p.m.	Nott Memorial			
Isla Langsdorf	9:00 a.m.	Feigenbaum Center for Visual Arts			
Isobel Petersen	7:00 p.m.	Memorial Chapel			
Jack Foster	11:30 a.m.	Taylor Music Center, Emerson Auditorium			
Jack Vagianelis	9:00 a.m.	Feigenbaum Center for Visual Arts			

Maya Mau	7:00 p.m.	Memorial Chapel	Sarah DeRosa	4:00 p.m.	Nott Memorial
Maya Mitra	4:00 p.m.	Nott Memorial	Sarah Unger	7:00 p.m.	Memorial Chapel
Merari Rios Tovar	4:00 p.m.	Nott Memorial	Sedona Baird	9:00 a.m.	Feigenbaum Center for Visual Arts
Mia Vatanapradit	7:00 p.m.	Memorial Chapel			Feigenbaum Center for Visual Arts
Mika Odagiri	4:00 p.m.	Nott Memorial	Selena Scarborough	9:00 a.m.	Memorial Chapel
Miraj Parekh	9:00 a.m.	Feigenbaum Center for Visual Arts			Taylor Music Center, Emerson Auditorium
		Nott Memorial	Seona Chutaro	7:00 p.m.	Feigenbaum Center for Visual Arts
Miriam Rojo Gutierrez	4:00 p.m.	Memorial Chapel	Shannon McGrath	11:00 a.m. (Sat.)	Nott Memorial
Mollyjane Boyle	7:00 p.m.	Nott Memorial			Taylor Music Center, Emerson Auditorium
Morgan Napier	4:00 p.m.	Memorial Chapel	Shelby McKim	9:00 a.m.	Nott Memorial
Mukundan Thanigaivelan	7:00 p.m.	Nott Memorial			Feigenbaum Center for Visual Arts
Najma Abdi	4:00 p.m.	Feigenbaum Center for Visual Arts	Shiqi Wang	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium
Naomi Martinez	4:00 p.m.	Nott Memorial			Nott Memorial
Narayani Yogi	4:00 p.m.	Feigenbaum Center for Visual Arts	Shivani Modi	4:00 p.m.	Nott Memorial
Natalie Pinto	9:00 a.m.	Nott Memorial	Sienna Cambial	4:00 p.m.	Feigenbaum Center for Visual Arts
		Nott Memorial	Simon Rhodes	9:00 a.m.	Feigenbaum Center for Visual Arts
Natalie Pinto	4:00 p.m.	Feigenbaum Center for Visual Arts			Feigenbaum Center for Visual Arts
Nathan Ramachandran	4:00 p.m.	Nott Memorial	Skye Hall	9:00 a.m.	Memorial Chapel
Nathan Wright	9:00 a.m.	Memorial Chapel			Nott Memorial
		Nott Memorial	Skye Hall	7:00 p.m.	Taylor Music Center, Emerson Auditorium
Nathaniel Goldstein	7:00 p.m.	Feigenbaum Center for Visual Arts	Snigdha Narayandas	4:00 p.m.	Feigenbaum Center for Visual Arts
Nhi Trieu	4:00 p.m.	Memorial Chapel	Sofia DeCola	11:00 a.m. (Sat.)	Nott Memorial
Nicolette Skretkowitz	9:00 a.m.	Nott Memorial			Taylor Music Center, Emerson Auditorium
		Feigenbaum Center for Visual Arts	Sophia Rothberg	9:00 a.m.	Feigenbaum Center for Visual Arts
Niha Das	7:00 p.m.	Memorial Chapel			Nott Memorial
Nora Edouarzin	7:00 p.m.	Memorial Chapel	Sophia Steele	4:00 p.m.	Feigenbaum Center for Visual Arts
Oliver D'Anna	7:00 p.m.	Memorial Chapel	Sophie Mullen	9:00 a.m.	Nott Memorial
Oliver D'Anna	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium			Memorial Chapel
		Nott Memorial	Spencer Newman	4:00 p.m.	Feigenbaum Center for Visual Arts
Olivia Belfonti	4:00 p.m.	Memorial Chapel	Spencer Newman	7:00 p.m.	Nott Memorial
Otto Hillegass	7:00 p.m.	Taylor Music Center, Emerson Auditorium	Spencer Shaffer	9:00 a.m.	Memorial Chapel
Owen Santora	11:00 a.m. (Sat.)	Nott Memorial			Feigenbaum Center for Visual Arts
		Feigenbaum Center for Visual Arts	Sreehitha Manga	4:00 p.m.	Nott Memorial
Paige Fox	4:00 p.m.	Nott Memorial	Sriya Baru	4:00 p.m.	Nott Memorial
Paisley Parmenter	4:00 p.m.	Memorial Chapel	Stephanie Martinez	4:00 p.m.	Nott Memorial
Paisley Parmenter	7:00 p.m.	Feigenbaum Center for Visual Arts	Strahlia Durr	4:00 p.m.	Nott Memorial
Parinya Arunniyomsak	9:00 a.m.	Taylor Music Center, Emerson Auditorium	Sujay Vundavalli	4:00 p.m.	Feigenbaum Center for Visual Arts
		Nott Memorial	Suzanna Wright	9:00 a.m.	Memorial Chapel
Patrik O'Brien	11:30 a.m.	Memorial Chapel			Taylor Music Center, Emerson Auditorium
		Nott Memorial	Theophilus Henle	7:00 p.m.	Feigenbaum Center for Visual Arts
Patrik O'Brien	7:00 p.m.	Feigenbaum Center for Visual Arts	Thomas Breimer	11:30 a.m.	Nott Memorial
Pheary Kang	4:00 p.m.	Nott Memorial			Feigenbaum Center for Visual Arts
Pic Kerrins	11:30 a.m.	Taylor Music Center, Emerson Auditorium	Tobin Clouser	9:00 a.m.	Nott Memorial
		Feigenbaum Center for Visual Arts			Feigenbaum Center for Visual Arts
Piff LaBoy	9:00 a.m.	Nott Memorial	Tremaine Richardson	4:00 p.m.	Nott Memorial
		Feigenbaum Center for Visual Arts	Trishikha Kiran Rao	9:00 a.m.	Feigenbaum Center for Visual Arts
Raquel Dueñas	4:00 p.m.	Feigenbaum Center for Visual Arts			Taylor Music Center, Emerson Auditorium
Rebecca Gerdis	9:00 a.m.	Memorial Chapel	Tyler Weissinger	11:00 a.m. (Sat.)	Nott Memorial
		Nott Memorial			Nott Memorial
Riana Kelley	7:00 p.m.	Nott Memorial	Vaishali Srinivasan	4:00 p.m.	Nott Memorial
Riley Belkin	4:00 p.m.	Feigenbaum Center for Visual Arts	Veronah Najiuko	4:00 p.m.	Feigenbaum Center for Visual Arts
Ririka Miyamoto	4:00 p.m.	Taylor Music Center, Emerson Auditorium	Veronica Lopez	4:00 p.m.	Nott Memorial
Robert Speck	9:00 a.m.	Feigenbaum Center for Visual Arts	Victoria Davison	9:00 a.m.	Feigenbaum Center for Visual Arts
		Nott Memorial			Nott Memorial
Rosalind Lampert	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Vivian Escobar	4:00 p.m.	Taylor Music Center, Emerson Auditorium
		Feigenbaum Center for Visual Arts	Willow Melton	11:30 a.m.	Feigenbaum Center for Visual Arts
Rowan Ziegler	9:00 a.m.	Feigenbaum Center for Visual Arts			Feigenbaum Center for Visual Arts
		Nott Memorial	Xuan Ho	9:00 a.m.	Feigenbaum Center for Visual Arts
Ryan Geiger	9:00 a.m.	Feigenbaum Center for Visual Arts			Feigenbaum Center for Visual Arts
		Taylor Music Center, Emerson Auditorium	Ysabel Thompson	9:00 a.m.	Feigenbaum Center for Visual Arts
Ryder Mollo	11:30 a.m.	Nott Memorial			Feigenbaum Center for Visual Arts
		Taylor Music Center, Emerson Auditorium	Zach Shatzer	9:00 a.m.	Nott Memorial
Ryder Mollo	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium			Taylor Music Center, Emerson Auditorium
Sage Stinson	4:00 p.m.	Nott Memorial	Zayna Shaikh	4:00 p.m.	
Sam Dickinson	11:00 a.m. (Sat.)	Taylor Music Center, Emerson Auditorium	Zion Schlusell	11:00 a.m. (Sat.)	
		Feigenbaum Center for Visual Arts			
Sammy Fenigstein	11:00 a.m. (Sat.)	Emerson Auditorium			